

# **Commercial FEEDING STUFFS**

**1960 Report on Inspection**

**H. J. FISHER**

**Chief Chemist**

Bulletin 645

July 1961





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## **COMMERCIAL FEEDING STUFFS**

### **REPORT ON INSPECTION**

1960

H. J. FISHER<sup>1</sup>

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#### **THE FEED LAW**

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

#### **REGULATIONS**

##### **REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)**

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

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<sup>1</sup> Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Walter Oliver and Miss Helen Kocab; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations by Mrs. Grace Connors and Miss Eleanor Hopcraft.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

#### REGULATION 2. METHOD OF LABELLING (Sec. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

#### REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A.O.A.C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A.O.A.C. chick unit is the Vitamin D activity produced by one U. S. Pharmacopoeia unit of vitamin D from the U. S. P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

#### REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of

these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

**REGULATION 5. DUTIES OF MANUFACTURERS- JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION  
(Sec. 22-114)**

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

**REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS**

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

**REGULATION 7. METHODS OF ANALYSIS  
(Sec. 22-113)**

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

**REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES**

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

**REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS**

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

**REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS**

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

**REGISTRATIONS**

For the period January 1, 1960 to December 31, 1960, 233 firms registered 1,416 brands of feeding stuffs, and 20 firms registered 54 brands of vitamin carriers.

ACME-EVANS CO. INC., 902 W. Washington Ave., Indianapolis, Indiana

Acme Red Dog  
Acme Wheat Standard Addings with Screenings  
Acme Yellow Hominy seed

ALBERS MILLING CO., 5045 Wilshire Blvd., Los Angeles, Calif.

Albers Calf Manna  
Albers Rabbit Breeder Ration  
Albers Rabbit Family Ration  
Albers Rapid-Ade Medicated  
Albers Sho-Glo  
Albers Suckle

ALLIED CHEMICAL CORP., Nitrogen Division, Hopewell, Va.

"Procadian" Urea Feed Mixture  
Procadian "281" Urea Feed Mixture

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill.

Surene 16% Dairy "P"  
Wayne Breeder Medicated M-29  
Wayne Calfnip  
Wayne Calf Starter  
Wayne Chick Starter Medicated M-13  
Wayne Chick Starter Medicated M-36  
Wayne Complete Breeder Medicated M-29  
Wayne Complete Egg Medicated M-29  
Wayne 16% Dairy  
Wayne 20% Dairy  
Wayne Dairy Mixer  
Wayne 42% Dairy Mixing Supplement  
Wayne 26% Egg & Breeder  
Wayne Egg Medicated M-29  
Wayne Egg Producer  
Wayne Fitting Ration  
Wayne Hog Finisher Medicated M-29  
Wayne Horse Feed  
Wayne M P Dairy Pellets  
Wayne Medicated Bio-Ruminutra M-27  
Wayne Medicated H-A-D M-27  
Wayne Medicated H-A-D M-59  
Wayne Medicated H-A-D M-63  
Wayne Medicated Poultry Res-Q M-19  
Wayne Medicated Stress Diet M-58  
Wayne Medicated Turkey Developer M-19  
Wayne Medicated Turkey Pre-Starter M-19  
Wayne Mink Meal

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill. - Cont.

Wayne Pigeon Feed  
Wayne Pip-Z Poultry Wormer  
Wayne 15% Poultry Finisher  
Wayne 15% Poultry Finisher Medicated M-13  
Wayne Poultry Mixer Medicated M-29  
Wayne Pullet Developer  
Wayne Pullet Developer Medicated M-13  
Wayne Pullet Developer Medicated M-36  
Wayne Pullet Grower  
Wayne Pullet Grower Medicated M-13  
Wayne Pullet Grower Medicated M-36  
Wayne Rabbit Ration  
Wayne Rocket Broiler Finisher  
Wayne Rocket Broiler Finisher Medicated  
Wayne Rocket Broiler Finisher Medicated M-12  
Wayne Rocket Broiler Starter Medicated M-12  
Wayne Scratch Feed  
Wayne Starter and Grower  
Wayne Starter & Grower Medicated M-13  
Wayne Starter and Grower Medicated M-36  
Wayne Starter & Grower Medicated M-55  
Wayne Sweet Bulky Feed "E"  
Wayne Tail Curler - Medicated M-29  
Wayne Tail Curler - Medicated M-34  
Wayne Test Cow  
Wayne Turkey Developer Medicated M-11  
Wayne Turkey Developer Medicated M-24  
Wayne Turkey Developer Medicated M-53  
Wayne Turkey Finisher  
Wayne Turkey Finisher Medicated M-53  
Wayne Turkey Grower  
Wayne Turkey Grower Medicated M-53  
Wayne Turkey Pre-Starter Medicated M-11  
Wayne Turkey Pre-Starter Medicated M-24  
Wayne Universal Breeder Medicated M-29  
Wayne Universal Egg Medicated M-29  
Wayne Universal Grower  
Wayne Universal Grower Medicated M-13  
Wayne Universal Grower Medicated M-36  
Wayne Universal Mixer  
Wayne Universal Scratch Feed  
Wayne Universal Turkey Grower  
Wayne Universal Turkey Grower Medicated M-53

AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver, Colo.

Dried Beet Pulp with Beet Molasses  
Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P.O. Box 383, Princeton, N. J.

Arsanilic Acid  
Arzene Premix 4%  
Enheptin A 15%  
Megasul 25%  
Pantothenic Acid (PA-45)

AMERICAN FEED CO., W. 177th St. & Harlem River, New York,  
New York

AFCO Wafer Meal

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York,  
New York

Amaizo Corn Gluten Meal  
Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis, Mo.

Brewers' Dried Grains

ARCHER-DANIELS-MIDLAND CO., Alfalfa Div., P.O. Box 356,  
Kansas City 41, Missouri

Small's 17% Dehydrated Alfalfa Meal  
Small's 20% Dehydrated Alfalfa Meal

ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.

Archer Quality 34% Protein Linseed Oil Meal  
Archer Quality 44% Protein Solvent Extracted Soybean  
Oil Meal  
Archer Quality 50% Protein Solvent Extracted Low Fiber  
Soybean Oil Meal

ARMOUR and CO., 401 N. Wabash Ave., Chicago, Ill.

Armour Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Albany, N. Y.

Fort Orange All Mash Layer  
Fort Orange Calf Grower & Booster  
Fort Orange Golden Test Ration  
Fort Orange Green Roughage  
Fort Orange Medicated Appetizer Mash  
Fort Orange Special Test Ration

THE BEACON MILLING CO., A Division of Spencer Kellogg &  
Sons, Inc., Cayuga, N. Y.

Beacon Balancer Pellets  
Beacon Broiler Finisher  
Beacon Broiler Finisher NCA Medicated  
Beacon Broiler Finisher UN3 Medicated  
Beacon C-C Flushing Pellets  
Beacon Calf Grow  
Beacon Cape-Roaster Finisher NC Medicated  
Beacon Cape-Roaster Finisher UN3 Medicated  
Beacon "15" Coarse Test Cow Ration  
Beacon Complete Rabbit Pellets  
Beacon Complete Sow Pellets Medicated  
Beacon Complete Starter NC Medicated  
Beacon Dairy Breeder Pellets  
Beacon Dairy Fitting

THE BEACON MILLING CO., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y. - Cont.

Beacon Sodium Propionate Mixture Mixed with Beacon Dairy Fitting Ration  
Beacon Duck Breeder  
Beacon Duck Breeder Developer  
Beacon Duck Grower-Finisher  
Beacon 0.011% Iodinated Casein Mix Mixed with Beacon Duck Grower Finisher  
Beacon Duck Starter  
Beacon Egg Check A Medicated  
Beacon "22" Egg Mash  
Beacon Goat Ration  
Beacon Grower-All-Mash  
Beacon Grower All-Mash NC Medicated  
Beacon "18" Growing Mash  
Beacon Hi-Energy Test Pel-ets  
Beacon Horse Feed  
Beacon Market Egg All-Mash A Medicated  
Beacon Medicated Booster Pellets  
Beacon Medicated Poultry Mix 2CT  
Beacon Medicated "20" Turkey Grower AC-AN  
Beacon Milk Check "16" Dairy Ration  
Beacon Milk Check "18" Dairy Ration  
Beacon Milk Check "20" Dairy Ration  
Beacon Milk Check "32" Mixer  
Beacon Milk Check Fitting Ration  
Beacon "24" Mixer  
Beacon Dienestrol Diacetate and Nicarbazin Mix Mixed with Beacon Poultry Finisher  
Beacon Poultry Finisher NC Medicated  
Beacon Starter-Broiler  
Beacon Starter-BroilerNCA Medicated  
Beacon Starter-Broiler UN3 Medicated  
Beacon Sweet "16" Dairy Ration  
Beacon "16" Test Cow Ration  
Beacon "18" Test Cow Ration  
Beacon Turkey Breeder All-Mash  
Beacon Turkey Finisher All-Mash  
Beacon "22" Turkey and Game Bird Grower  
Beacon "20" Turkey Grower  
Beacon "20" Turkey Grower C Medicated  
Beacon Turkey & Poultry Fitting  
Beacon Turkey Starter SQA Medicated  
Beacon Worm Mash  
Be-Co Breeder A Medicated  
Be-Co-Grower  
Be-Co Grower NC Medicated  
Be-Co-Lass  
Be-Co Layer A Medicated  
Be-Co-Nurse Milk Replacer

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco Crate Fattener  
Nibco 18% Dairy Ration

THE BERKMAN GRAIN CO., North Franklin, Conn. - Cont.

Nibco Fitting Ration  
Nibco Five Star Breeder  
Nibco Five Star Lo Color  
Nibco Five Star Roaster  
Nibco Five Star Roaster  
Nibco Five Star Roaster  
Nibco Five Star Super Starter  
Nibco Five Star Weight Maker  
Nibco Five Star Weight Maker  
Nibco Five Star Weightmaker  
Nibco High Energy Laying Growing and Mash  
Nibco Medicated Booster Feed  
Nibco Pullet Builder  
Nibco Pullet Starter  
Nibco Scratch Feed

DAVID BILGORE & CO., Clearwater, Fla.

Registered by Cocke & Co., Atlanta, Ga.  
Bilgore's (Brand) Citrus Pulp

BLATCHFORD CALF MEAL CO., 2 E. Madison St., Waukegan, Ill.

Blatchford's Calf Meal  
Blatchford's Calf-Pab Medicated

THE BLOOMFIELD FARMERS' EXCHANGE INC. ,Bloomfield, Conn.

Bloomfield 16% Dairy Ration

HAROLD C. BRANDT, Annville, Pa.

Registered by Reading Milling Co., Inc., Reading, Pa.  
Pure Winter Wheat Middlings

BROOKLAWN GRAIN & FEED CO. ,321 Sylvan Ave., Bridgeport, Conn.

Brooklawn 16% Dairy Ration  
Brooklawn High Energy Layer  
Brooklawn Sweet Mix

BROWN-FORMAN DISTILLERS CORP., P. O. Box 1080, Louisville,  
Kentucky

Brown-Forman Corn Distillers Dried Grains  
Brown-Forman Corn Distillers Solubles

CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N. J.

Camden Brand Dried Brewers Grain

THE CANADA LINSEED OIL MILLS, Ltd., 2215 Notre Dame East,  
Montreal, Canada

Maple Leaf Expeller Linseed Meal

THE CANADA STARCH CO., Ltd., Montreal, Quebec, Canada  
Corn Gluten Feed 21%

THE A. B. CAPLE CO., Toledo, Ohio

17% Dehydrated Reground Alfalfa Pellets  
Sun-cured Alfalfa Crumbles

CARGILL, INC., 200 Grain Exchange, Minneapolis, Minnesota

Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal  
Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal  
Cargill, Inc. 50% Protein Solvent Extracted Dehulled Soybean Oil Meal

CARLING BREWING CO. INC., 9400 Quincy Ave., Cleveland, Ohio

Carling Brewers Dried Grains

CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC.,  
Manchester, Conn.

Honest Brand Aureomycin Mix 100 grams  
Honest Brand Aureomycin Mix 200 grams  
Honest Brand Complete Breeder Mash  
Honest Brand Complete Ration High Energy Growing Mash  
Honest Brand Complete High Energy Laying Mash  
Honest Brand Nu Weigh-Hi Broiler Mash Medicated  
Honest Brand Nu Weigh-Hi Finisher Mash  
Honest Brand Nu Weigh-Hi Finisher Mash  
Honest Brand Nu Weigh-Hi Starter Mash Medicated

CENTRAL SOYA CO. INC., Ft. Wayne, Ind.

Central Flaked Soybean Hulls  
Central's 44% Soybean Oil Meal Solvent Extracted  
Thrifty-Fifty Central 50% Solvent Extracted Dehulled Soybean Oil Meal

CHELSEA MILLING CO., North St., Chelsea, Mich.

Chelsea Wheat Middlings with Ground Wheat Screenings

S. J. CHERRY & SONS, Ltd., Preston, Ontario, Canada

Cherry's Wheat Bran

CITRUS FEED CO., P.O. Box 513, Lakeland, Florida

Howard's Veribest Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton 21% Protein Corn Gluten Feed  
Clinton 41% Protein Corn Gluten Meal

CLYDE MILLING CORP., Clyde, N. Y.

Clyde Complete Rabbit Pellets  
Clyde Complete Turkey Grower Mash  
Clyde Fitting Ration  
Clyde Hi-Cal-Re Complete Layer and Grower  
Clyde Horse Feed  
Clyde Market Egg Mash  
Clyde Test Cow 18  
Hominy Feed  
Warren's Calf Starter  
Warren's 16 Dairy Ration  
Warren's Dairy Fitting Ration  
Warren's Laying Mash  
Warren's Milk-Maker 15  
Warren's Test Cow 16 Dairy Ration

COATSWORTH & COOPER, Ltd., 100 University Ave. Toronto,  
Canada

C & C Wheat Bran

COCKE and CO., 208 William-Oliver Bldg., Atlanta, Ga.

Bilgore's (Brand) Citrus Pulp

Cocke-Sure Brand 41% Protein Cottonseed Meal

Suni-Citrolas for Crumbles and Silage

Sweet Suni-Citrus Pulp (Mfd. by Suni-Citrus Prod., Haines City,  
Florida)

COMMERCIAL SOLVENTS CORP., 1331 So. 1st St., Terre Haute, Ind.

Choline Chloride 70%

B. Y.-21(R) Riboflavin Supplement

Corn Distillers Dried Grains with Solubles

CONNECTICUT BI-PRODUCTS, INC., Hop River Rd., Columbia, Conn.

Hydrolyzed Poultry Feathers

Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., Box 470, Fremont, Nebraska

17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer  
Greenules

CONSOLIDATED MILLS, INC., Blissfield, Mich.

17% Alfalfa Meal Dehydrated

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston, Mass.

Corenco Feeding Bone Meal

Corenco 47% Meat & Bone Scrap

CORN PRODUCTS CO., 717 Fifth Ave., New York, N. Y.

Buffalo Brand 21% Protein Corn Gluten Feed

Diamond Brand 41% Corn Gluten Meal

C. A. COWLES, INC., Summer St., Plantsville, Conn.

Blue C Complete Laying Mash

Blue C 20% Dairy Ration

Blue C Fitting Ration

Blue C Growing Mash

Blue C Horse Feed with Molasses

Blue C Laying Mash

Blue C Rabbit Pellets

Blue C Starting Mash

Blue C Super 16% Dairy Ration

Dairy Delight

DCA FOOD INDUSTRIES, INC., Ellicott City, Md.

Domaco Pure Winter Wheat Bran

Domaco Wheat Middlings with Wheat Screenings

DAIRYMEN'S LEAGUE CO-OPERATIVE ASS'N. INC., 400 Park St.,  
Syracuse, N. Y.

Dairylea Dried Skim Milk

DAWE'S LABORATORIES, INC. 4800 So. Richmond St., Chicago, Ill.

(See also Vitamin Carriers)

Dawe's Fermentation Flavonne No. 1

Dawe's Vitamelk (Ruminant Type)

Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Smithfield Rd., Amenia, New York

Dawnwood Farms CAF-STAR

DECATUR ELEVATOR CO., 518 E. Gault St., Decatur, Ill.

Illini Brand Expeller Type 43% Soybean Oil Meal

DELAWARE MILLING COMPANY, INC., Deposit, N. Y.

Delaware Egg Mash

Delaware Rabbit Pellets

Delaware Sweet Hominy

Eastern Connecticut Grain Associates Chick Starter Med.

Eastern Connecticut Grain Associates Growing Mash

Eastern Connecticut Grain Associates Laying Mash

Warren's C and C Breeder Mash

Warren's C and C Complete Growing Mash

Warren's C and C Complete Laying Mash

Warren's C and C Laying Mash

Warren's C and C Laying Mash with Aureomycin

Warren's Chick Starter Medicated

Warren's Fitting Ration

Warren's Indian 16% Dairy

Warren's 16% Test Ration

Warren's 20% Test Ration

THE DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Oil Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower

Litsky's Hi-Energy All Mash Layer

Litsky's Hi-Energy Layer

Litsky's Hi-Energy Starter-Broiler Medicated

Litsky's Sweet 16% Dairy Ration

E. F. DREW & CO., INC., 15 East 26 St., New York, N. Y.

NRG 50

E. I. duPONT deNEMOURS AND COMPANY, Wilmington, Del.

DU PONT TWO-SIXTY-TWO Feed Compound

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Massachusetts

(See also Vitamin Carriers)

Alfapels

All-Mash Breeder Medicated

Appiwhey

Beefmix - Diethylstilbestrol

Breeder Mash Medicated

Broiler Finisher Medicated

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield,  
Massachusetts - Cont.

Broiler Starter Medicated  
Calcite for Poultry  
Calfsaver Tablets  
Calf Starter  
Cashmaker Medicated  
Cashmaker - WM Medicated  
Champion  
Choicemaker Medicated  
Class Leader  
Daramore  
Dairypels 16  
Fulpail  
Gee-Mix  
Goalmaker Medicated  
Lay-Mix Medicated  
Matchmaker Medicated  
Medicated Defender  
Medicated Lacto-Life  
Medicated Minuteman  
Medicated Minuteman - SQ  
Medicated Sentinel  
Medicated Turkey Starter-F  
Milkerpels  
Milkerpels 14  
Milkerpels 20  
Milkmore  
Milkmore-WA Medicated  
Milksaver  
Pacemaker Medicated  
Pel-22 Medicated  
Pel-Grow Medicated  
Pel-Lay Medicated  
Pork Builder  
Pork Gainer Medicated  
Porklets  
Porkmix  
Pork Primer Medicated  
Poultry Wormer  
Protek A  
Protek F - Medicated  
Rabettes  
Roaster Finisher - Medicated  
Supmix  
Sweepstakes  
Tastibulk  
Thriftmaker  
Trim-Maker  
Turkey Breeder  
Turkey Finisher  
Turkey Finisher - C Medicated  
Turkey Grower  
Turkey Grower - C Medicated  
Turkey Starter Medicated

ECKHART MILLING CO., 1300 W. Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran  
Wheat middlings with Ground Wheat Screenings

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y.

Elmore Breeder Mash (1A)  
Elmore Broiler Finisher Pellets (1N)  
Elmore Bull Feed  
Elmore Calf Grain Ration  
Elmore Chixsaver  
Elmore Chixsaver (1N)  
Elmore Chixsaver (1S)  
Elmore Complete Breeder Mash (1A)  
Elmore Complete Calf Milk Replacer  
Elmore Complete Growing Mash  
Elmore Complete Growing Ration (1S) Medicated  
Elmore Complete Laying Mash  
Elmore Complete Market Egg Ration  
Elmore Complete Market Egg Ration (1A)  
Elmore Complete Rabbit Ration Pellets  
Elmore Complete Turkey Growing Mash  
Elmore Complete Turkey Growing Mash (1S)  
Elmore Dry and Freshening Ration  
Elmore Egg Mash (1A)  
Elmore Fitting Ration 14%  
Elmore Flaked Pelleted Calf Starter  
Elmore Game Bird Breeder Mash  
Elmore Game Bird Grower  
Elmore Game Bird Grower (1H)  
Elmore Game Bird Growing Medicated (1S)  
Elmore Game Bird Starter with NF 180 Medicated  
Elmore Game Bird Starter (1S)  
Elmore Grand Champion Ration  
Elmore Growing Mash  
Elmore Hog Ration  
Elmore 20% Laying Mash  
Elmore Makemgrow Little Pig Ration  
Elmore Maximilk Ration  
Elmore Milk Grains "Sixteen"  
Elmore Milk Grains "Twenty"  
Elmore Pacemaker 16% Dairy Ration  
Elmore Pacemaker 18% Dairy Ration  
Elmore Picker-Upper Mash (2A)  
Elmore Poultry and Turkey Fitting Ration  
Elmore Restricted Grower  
Elmore Rumin Stimulant 16%  
Elmore .05% S. Q. Mixture  
Elmore Stock Feed  
Elmore Super Broiler Ration (1N)  
Elmore Super Silage  
Elmore 30% Supplemental Dairy Ration  
Elmore Test Ration 16%  
Elmore Test Ration 18%  
Elmore Turkey Finisher (Fattener)  
Elmore Turkey Growing Mash

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y. - Cont.

Elmore Turkey Growing Mash (1H)  
Elmore Turkey Starting Mash (1S)  
13% Sun Cured Alfalfa Meal

JOHN W. ESHelman & SONS, Lancaster, Pa.

Lancaster 16 Dairy Feed  
Lancaster 20 Dairy Feed  
Lancaster Scratch Grains  
Pennsy Complete Laying Ration  
Pennsy 16 Dairy Feed  
Pennsy Laying Mash  
Red Rose Breeder Mash  
Red Rose Broiler Finisher  
Red Rose Calf Grower  
Red Rose Calf Starter  
Red Rose Chick Grains  
Red Rose Complete Breeder Ration  
Red Rose Complete Game Bird Grower  
Red Rose Complete Growing Ration  
Red Rose Complete Laying Ration  
Red Rose Complete Turkey Finisher  
Red Rose Complete Turkey Grower  
Red Rose 16 Dairy Feed  
Red Rose 18 Dairy Feed  
Red Rose 20 Dairy Feed  
Red Rose Fitting Ration  
Red Rose Goat Ration  
Red Rose Growing Mash  
Red Rose Horse Feed  
Red Rose Intermediate Chick Grains  
Red Rose Laying Mash  
Red Rose Medicated T-C Feed  
Red Rose Milk Replacer  
Red Rose Pigeon Feed  
Red Rose Porkmaker  
Red Rose Rabbit Pellets  
Red Rose Rabbit Pellets Medicated  
Red Rose Scratch Grains  
Red Rose Starter & Grower  
Red Rose 14 Test-Cow Feed  
Red Rose Turkey Starter  
Red Rose Wild Bird Feed  
S-O-S

EVANS MILLING CO., INC., 1730 W. Michigan St., Indianapolis, Ind.

Emco Hominy Feed

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Calif.

All Purpose Pre-Mix  
Custom High Energy Pre-Mix  
Roaster Pre-Mix Medicated  
Custom High Energy Pre-Mix  
W. M. Plain Pre-Mix Medicated

FARM BUREAU ASSOCIATION, 155 Lexington St., Waltham, Mass.

Farm Bureau Complete Grower Layer Mash or Pellets  
Medicated  
Farm Bureau 16% Dairy Ration  
Farm Bureau 14% Milking Ration  
Farm Bureau Milk Replacer  
Farm Bureau Rabbit Food Pellets

FARMERS FEED CO., 375 Johnson Ave., Brooklyn, N. Y.

"Bull Brand" Brewers Dried Grains

FISH PRODUCTS CO., Fort Miles Rd., Lewes, Del.

Smith's Lifeline Brand Fish Meal Stabilized with (Food Grade)  
Butylated-Hydroxy-Toluene

FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J.

Smith's Lifeline Fish Meal Stabilized with (Food Grade)  
Butylated-Hydroxy-Toluene

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

FLORY MILLING CO., North Main St., Bangor, Pa.

Flory Fleshing Pellets  
Flory Horse Feed  
Flory 20% Layer  
Flory Medicated Stim-U-Lets  
Flory Record 16% Dairy Feed  
Flory Scratch Feed

THE FOX CO., Newfield, N. J.

(See also Vitamin Carriers)

Foxco D-Activated Animal Sterol (Source of Vitamin D<sub>3</sub>)  
Foxco Flavitein

Foxco Qualadee A & D Feeding Oil  
Vitamin 2-4-9-C Supplement

FREMONT ALFALFA MILLS, INC., Highway 6 & So. Bloom Road,  
Fremont, Ohio

Riverbottom Dehydrated 17% Alfalfa Meal

GENERAL FOODS CORP., 1551 E. Willow St., Kankakee, Illinois

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

Ben Hur Wheat Bran  
Ben Hur Wheat middlings with Ground Wheat Screenings  
General Mills 44% Protein Solvent (Hexane) Extracted Soybean  
Oil Meal  
General Mills 50% Protein Solvent (Hexane) Extracted Soybean  
Oil Meal  
Purity Oat Mill By-Product  
Washburn's Gold Medal Adrian Wheat Red Dog  
Washburn's Gold Medal Wheat Bran with Ground Wheat Screen-  
ings

GENERAL MILLS, INC., Minneapolis, Minn. - Cont.

Washburn's Gold Medal Wheat Middlings with Ground Wheat  
Screenings

GENERAL MILLS, INC., Larro Region, 15800 W. McNichols Rd.,  
Detroit, Mich.

Gold Medal Karmel Grist

Gold Medal Stock Champ

Larro Chick Grains

Larro .0023% Dienestrol Diacetate Mix in SureBroiler  
Caponette 20 (NCB-AGS) Medicated

Larro Medicated Broiler SureLift

Larro Medicated Broiler SureLift (FRZ)

Larro Medicated Poultry SureLift

Larro Medicated Poultry SureLift (.011 FRZ)

Larro Medicated Poultry SureLift (.022 FRZ)

Larro Medicated SureLay Complete "H-E" (.011 FRZ)

Larro Medicated SureLay Complete "H-E" (.022 FRZ)

Larro Medicated SureLift

Larro Medicated SureLift 16

Larro Medicated SureLift 27 (FRZ)

Larro Medicated SureMilk Keto-Kurb

Larro SureBeef 12

Larro SureBroiler Finisher 21 (ZOL) Medicated

Larro SureBroiler Finisher 23

Larro SureBroiler Finisher 23 (NCB-AGS) Medicated

Larro SureBroiler Finisher 23 (NFZ) Medicated

Larro SureBroiler Starter 23 (ZOL) Medicated

Larro SureBroiler Starter 26 (NCB-AGS) Medicated

Larro SureCalf

Larro SureChick

Larro SureChick (NCB) Medicated

Larro SureChick (.0083 ZOL) Medicated

Larro SureGrow Complete "H-E"

Larro SureGrow Complete "H-E" (NCB) Medicated

Larro SureGrow Complete "H-E" (.0083 ZOL) Medicated

Larro SureLay "H-E"

Larro SureLay Complete "H-E"

Larro SureLay Complete "H-E" (.00275 FRZ) Medicated

Larro SureMilk 14

Larro SureMilk 16

Larro SureMilk 20

Larro SurePoult

Larro SureRabbit Medicated

Larro SureRaise

Larro SureRaise Medicated (CHL)

Larro SureTasty 16 Pellets

Larro SureTasty 20 Pellets

Larro SureTurk

Larro SureTurk (CBS) Medicated

GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.

Globpro Brand 60% Protein Fish Meal

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal-Prime Quality  
GORTON'S OF GLOUCESTER, INC., 327 Main St., Gloucester, Mass.

Gorton's Redfish Meal

D. H. GRANDIN MILLING CO., Jamestown, N. Y.

Grandin's Calf Starter  
Grandin's Complete Grower & Layer  
Grandin's Dairy Maid 16  
Grandin's Dry & Freshening Ration  
Grandin's 14 Fit-Fresh-Produce  
Grandin's 14 Fitting Ration  
Grandin's Happy Calf Milk Replacer  
Grandin's Hi-Cal Pellets  
Grandin's Hi-Nutro  
Grandin's Horse Feed  
Grandin's Laying Mash  
Grandin's 16 Milk Maker  
Grandin's 14 Milk Producer  
Grandin's 16 Milk Producer  
Grandin's Pig & Sow Feed  
Grandin's Rabbit Pellets  
Grandin's Start-To-Finish  
Grandin's 18% Twin Six Dairy Ration

GRAND ISLAND CITRUS COOPERATIVE, Umatilla, Fla.

Golden Gems Sweet Dried Citrus Pulp

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet Bldg.  
Minneapolis, Minn.

Daily Egg Laying Mash  
Daily Growth Chick Starter  
Daily Growth Fine Chick Feed  
Daily Growth Growing Mash

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal

HAFFENREFFER & CO., INC. 30 Germania St., Boston, Mass.

Haffenreffer Brewer's Dried Yeast

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill.

Big-R-Buy 16 Dairy  
Pioneer Beef Fitting Ration  
Pioneer Calf Starter  
Pioneer Dairy Fitting Feed  
Pioneer Dairy Production 16  
Pioneer Dairy Production 18  
Pioneer Dry & Freshening  
Pioneer Horse Feed  
Pioneer Pelleted Flaked 15 Dairy  
Pioneer Pig Gro-Pel Medicated  
Pioneer Rabbit Pellets  
Pioneer Sup-Pel Pellets

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill. - Cont.

Red Comb Breeder Mash  
Red Comb Broiler Finisher  
Red Comb Broiler Finisher Z3 Medicated  
Red Comb Broiler Starter Z3 Medicated  
Red Comb Broiler Station Fattener  
Red Comb C Flakes  
Red Comb Chick Starter  
Red Comb Chick Starter Z Medicated  
Red Comb Complete Breeder  
Red Comb Complete Grower  
Red Comb Complete Layer 16  
Red Comb Complete Layer 16 Medicated  
Red Comb Complete Layer 16F Medicated  
Red Comb 0.011 Iodinated Casein Mixture Incorp. in Red  
Comb Duck Starter  
Red Comb Egg Mash  
Red Comb Egg Mash Medicated  
Red Comb Fine Chick  
Red Comb Growing Mash Z Medicated  
Red Comb Medicated Poult Saver  
Red Comb Pioneer Wormer  
Red Comb Pullet Developer  
Red Comb Scratch Feed  
Red Comb Turkey Breeder  
Red Comb Turkey Finisher 17  
Red Comb Turkey Grower 20  
Red Comb Turkey Grower 23  
Red Comb Turkey Starter S Medicated

PETER HAND FOUNDATION, 1000 North Ave., Chicago, Illinois

Custom W. M. Plain Premix No. 2717

HARPER FEED MILLS, Washington, Pa.

Harco Milk Replacer for Young Calves  
Warren's Complete Growing Mash  
Warren's Complete Laying Mash & Pellets  
Warren's 16% Dairy Ration  
Warren's 20% Laying Mash  
Warren's Test Cow 16% Dairy

HIGHLAND PRODUCTS, INC., 525 No. 4th St., Minneapolis, Minn.

Highland's Hi-Nutra

H. P. HOOD & SONS, INC., Dunedin, Florida

Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston, Mass.

Hood Calf Starter  
Hood Pep-Lac  
Hood Whey-Lac  
Powdered Skim Milk

## THE HUBINGER COMPANY, Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal

Ke OK uk Brand 21% Protein Corn Gluten Feed

## ILLINOIS CEREAL MILLS, INC., Paris, Illinois

Hominy Feed

INDUSTRIAL MOLASSES CORP., 3033 Excelsior Blvd., Minneapolis,  
Minnesota

Dried Beet Pulp

INTERNATIONAL MILLING COMPANY, 1200 Investors Bldg.,  
Minneapolis, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings

Blackhawk Wheat middlings with Ground Mixed Screenings

Target Wheat Red Dog

## INTERNATIONAL STOCK FEED CORP., 533 Broad St., Waverly, N. Y.

I-S-F Cattle Special

## HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat &amp; Bone Meal

## KELLOGG SALES COMPANY, Battle Creek, Michigan

Kellogg's Hominy Feed

Kellogg's Kel-Blend

Kellogg's Mink Mix

Kellogg's Mink Ration

## SPENCER KELLOGG &amp; SONS, INC., 98 Delaware Ave., Buffalo, N. Y.

Spencer Kellogg's 50% Protein Dehulled Soybean Oil Meal

Solvent Extracted

Spencer Kellogg's 32% Old Process (Expeller) Linseed Oil

Meal

## KEYSTONE DEHYDRATORS, Nazareth, Pa.

Keystone Super Green Dehydrated Alfalfa Meals with Santoquin  
and Animal FatKeystone Super Green Dehydrated Alfalfa Meal with Santoquin  
in Vegetable Fat ProductKRAFT FOODS, Div. National Dairy Products Corp., Highway 600  
West, Lakeland, Florida

Daily Maid Dried Citrus Pulp

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave.,  
New York, N. Y. (See also Vitamin Carriers)

Pex High Lay Pellets for Layers &amp; Breeders

KAFF-A Booster Pellets

KAFF-A Milk Replacer for Calves Medicated Milk by-  
products 65%

KRACO Naturally Sweet Dried Whole Whey

PEX Condensed for Poultry

PEX Self Feeder Block for Broilers

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave.,  
New York, N. Y. - Cont.

PEX Self Feeder Block for Layers & Breeders  
PEX Self Feeder Block for Poultry  
PEX Self Feeder Whey Block for Poultry

CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Florida

Kuder Dried Citrus Pulp, High Sugar

LAKE STATES YEAST & CHEMICAL, Div. of St. Regis Paper Co.,  
603 W. Davenport St., Rhinelander, Wisconsin

Dried Torula Yeast

LAUHOFF GRAIN CO., Danville, Ill.

Vermilion Hominy Feed

43% Protein Expeller Soy Bean Oil Cake

LAUHOFF SOYA CO., Danville, Ill.

44% Protein Solvent Extracted Soybean Oil Meal

50% Protein Solvent Extracted Soybean Oil Meal

LIBBY, McNEILL & LIBBY, 200 So. Michigan Ave., Chicago, Ill.

Headliner Dried Citrus Pulp

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon Growing Mash

Libner's Blue Ribbon Horse and Calf Ration

Libner's Blue Ribbon Milk Egg Mash

LOCKWOOD NUTRITION SERVICE, INC., 177 Milk St., Boston, Mass.

Dellwood Brand Dried Whey

L. B. LOVITT & CO., Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

MAINE REDUCTION CO. INC., Brooks, Maine

Poultry By Products Meal

MAK MOR CORP., P.O. Box 123, Clinton, Mass.

Mak Mor Morea(R) M-30 (Liquid Feed Supplement)

THE MANITOBA SUGAR CO., Winnipeg, Manitoba, Canada

Molasses Dried Beet Pulp

MAPLE LEAF MILLING CO., Ltd., Toronto, Ontario, Canada

(Registered by Wirthmore Feeds Inc., Waltham, Mass.)

Rex Wheat Bran

Rex Wheat Standard middlings

MARINE PRODUCTS CO., 345 W. First St., Boston, Mass.

A & D Feeding Oil High Potency

## MARION MILLING CO., Marion, Ohio

Cloverleaf Wheat Middlings & Ground Wheat Screenings  
Pure Wheat Bran

## MARITIME MILLING CO., 200 Corn Exchange Bldg., Buffalo, N. Y.

B-B 16% Dairy Ration 1100 - 2100  
Ma-Co Complete Breeder Ration 975  
Ma-Co Complete Grower & Layer Ration 1025  
Ma-Co Complete Grower & Layer Ration Medicated 1025-ARZ  
Ma-Co Pullet Developer Feed Medicated 1005-ARZ  
Ma-Co Wormer Crumbles 980-P  
Super Ma-Co Broiler Finishing Ration Medicated 810-UN  
Super Ma-Co Breeder Mash 850  
Super Ma-Co Broiler Ration Medicated 800-UN  
Super Ma-Co Complete Breeder Ration Medicated 845-AR  
Super Ma-Co Complete Chick Starter Ration Medicated 805-AR  
Super Ma-Co Complete Chick Starter Ration Medicated 805-ARZ  
Super Ma-Co Complete Growing & Laying Ration Medicated  
815-AR  
Super Ma-Co Complete Growing & Laying Ration Medicated  
815-ARZ.  
Super Ma-Co Complete Growing & Laying Ration Medicated  
815-AR-F  
Super Ma-Co Complete Turkey Breeder Ration Medicated 910-H  
Super Ma-Co Complete Turkey Growing Ration Medicated 905-H  
Super Ma-Co Complete Turkey Starter Ration Medicated  
900-AR-S  
Super Ma-Co Egg Mash 840  
Super Ma-Co 16% Poultry Finishing Ration 860  
Super Ma-Co Stress-Aid Ration Medicated 970-A-1  
Super Ma-Co Medicated Stress-Aid Ration 970-A-2-F  
Super Ma-Co Medicated Stress-Aid Ration 970-AT-200

## MAXON MILLS, INC., Wassaic, N. Y.

Maxon 16% Dairy  
Manon 18% Dairy  
Maxon 14% Fitting  
Maxon 16% Test  
Maxon 18% Test

## MAY GRAIN CO., Independence, Mo.

A & L Chinchella Pellets

McCABE GRAIN CO., LTD., 409 Grain Exchange Bldg., Winnipeg,  
Manitoba, Canada

Ground Mixed Screenings

## McMILLEN FEED MILLS, 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind.

Dienestrol Diacetate & Nicarb Mix Inc. in Master Made Broiler  
Finisher (323-71F)

Master Made Broiler Finisher A 323-77L Medicated

Master Made Broiler Starter 307-77L Medicated

Master Mix All Mash Pullet Developer

Master Mix All Mash Pullet Grower 135-72A Medicated

Master Mix All Mash Turkey Grower 421

McMILLEN FEED MILLS, 300 Ft.Wayne Bank Bldg., Ft.Wayne, Ind.-  
Cont.

Master Mix Beef Concentrate  
Master Mix Broiler Finisher Concentrate 375  
Master Mix Broiler Starter 307-72A Medicated  
Master Mix Broiler Starter Concentrate 351  
Master Mix Calflac  
Master Mix Calf-Mixer  
Master Mix Calf Starter  
Master Mix Caponette Finisher Concentrate 383  
Master Mix Chick Starter 103-72A Medicated  
Master Mix Complete Rabbit Pellets 961  
Master Mix Complete Turkey Finisher  
Master Mix Custom 12% Dairy Feed 617  
Master Mix Dairy Concentrate A 660-03B Medicated  
Master Mix 14% Dairy Feed (621)  
Master Mix 16% Dairy Feed  
Master Mix 44% Dairy Supplement 673  
Master Mix Egglac Pellets  
Master Mix Egglac Pellets 221  
Master Mix Egg Mash  
Master Mix Flaked Soybean Hulls  
Master Mix Hi-Q 14% Dairy Feed 615  
Master Mix Hi-Q 16% Dairy Feed 624  
Master Mix Hi-Q Master Blend "A" 669-03B Medicated  
Master Mix Hi-Q Master Blend Concentrate 667  
Master Mix Horse Feed  
Master Mix Master Blend Dairy Concentrate  
Master Mix Medicated Biofeed 180 905-20A  
Master Mix Medicated Biofeed 200 (89A)  
Master Mix Medicated Broiler Bio 912-65B  
Master Mix Poult Starter 401-83A Medicated  
Master Mix Prime Finisher 341-55A Medicated  
Master Mix Prime Finisher 341-77B Medicated  
Master Mix Sweet 16% Dairy Feed 620  
Master Mix Sweet 16% Dairy 620A 620B  
Master Mix Sweet Flakes

MEECH & STODDARD, INC., 76 No.Main St., Middletown, Conn.

M & S Economy Dairy Feed  
Quality Brand Complete Growing  
Quality Brand Complete Laying  
Red Wing Calf Starter & Grower  
Red Wing 16% Dairy Feed  
Red Wing Fitting Ration  
Red Wing 16% High Energy Dairy Ration  
Red Wing Horse Feed  
Red Wing Pig & Hog Feed  
Red Wing Rabbit Pellets  
Red Wing Stock Feed  
Special Balance Growing Mash  
Special Balance High Efficiency Complete Growing Mash  
Special Balance High Efficiency Complete Laying Mash  
Special Balance Laying Mash  
Special Balance Starting Mash - SQ

MEECH & STODDARD, INC., 76 No. Main St.. Middletown, Conn. -Cont.

Special Broiler-Finisher Medicated  
Thrifty Complete Laying Mash Med. 3-Nitro

THE MENNEL MILLING CO., Fostoria, Ohio

Memo Wheat Middlings with Ground Wheat Screenings.  
Memo Pure Wheat Bran

MERCK & CO., INC., Rahway, N. J. (See also Vitamin Carriers)

Amprol 25%  
No. 812 Feed Supplement  
No. 941 Feed Supplement Improved PreMix Medicated  
Glycamide 12%  
No. 659 Vitamin Mixture

MINER-HILLARD MILLING CO., Wilkes-Barre, Pennsylvania

Choice Steam Cooked Hominy Feed

MINNESOTA LINSEED OIL CO., Minneapolis, Minn.

Minnesota Solvent Extracted Linseed Oil Meal 34% Protein

MINUTE MAID CORP., P.O. Box 720, Leesburg, Florida

Golden Isle Citrus Pulp

GEO. Q. MOON & CO., INC., Binghamton, New York

Moon Complete Growing Mash  
Moon Complete Laying Mash  
Moon 20% Dairy Ration  
Moon Goat Ration  
Moon Dairy Fitting Ration  
Moon Growing Mash  
Moon Hog Feed  
Moon Horse Feed  
Moon Laying Mash  
Moon Rabbit Pellets  
Moon Scratch Feed  
Moon Starter Mash

MOWAT, WILSON & CO., Detroit 35, Michigan

Dried Beet Pulp  
Dried Beet Pulp and Feeding Beet Molasses

MYZON, INC., 3129 W. 47th Street, Chicago 32, Illinois  
(See also Vitamin Carriers)

Myzon Calf Builder  
Myzon Poultry Builder  
Myzon Poultry Medicine

NATIONAL ALFALFA DEHYDRATING & MILLING CO.,  
Lamar, Colorado

Krumbles  
National 20% Dehydrated Alfalfa Meal (Broiler Layer Grade)  
National 15% Protein Dehydrated Alfalfa Meal  
National 17% Protein Dehydrated Alfalfa Meal

NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico ("Reg. U. S. Pat. Office")  
Pure Wheat Bran

NATIONAL DISTILLERS PRODUCTS CO., Div. of National Distillers  
& Chemical Corp., 99 Park Ave., New York, N. Y.

Corn Distillers Dried Grains  
Nadrisol Brand Corn Distillers Dried Solubles  
Produlac Brand Corn Distillers Dried Solubles with Grains

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., South,  
Minneapolis, Minn.

Calvita Calf Formula (Trade Mark Reg.)

NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N. J.

Clifton Wheat Bran  
Jersey Wheat Bran  
Jersey Flour Middlings

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Vitamin Carriers)

Nopco-Pak EMC-High Energy Premix  
Nopco-Pak DDA - Hi-Lay Premix  
Nopco-Pak ELN - Roaster Premix  
Nopco-Pak EAZ - Super Premix  
Nopco-Pak EKK - W. M. Plain Premix  
Nopdex "3000"

NORTH AMERICAN TRADING & IMPORT CO., Philadelphia, Pa.

Natico Dry Feeding Cane Molasses Product

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver, Colorado

GW Dried Beet Pulp  
GW Dried Molasses Beet Pulp

OGDEN GRAIN CO., Utica, N. Y.

C. L. Special 15  
Life Span 15  
Life Span 18  
Ogden C. L. Special 16  
Ogden C. L. Special 20  
Ogden Complete Breeder Medicated  
Ogden Complete Chick Starter  
Ogden Complete Grower  
Ogden Complete Layer Medicated  
Ogden Growing Mash  
Ogden Grow-Rite Complete Pullet Ration  
Ogden Hi-Energy Breeder Mash Medicated  
Ogden Hi-Energy Laying Mash Medicated  
Ogden Horse Feed  
Ogden Laying Mash  
Ogden Milk Replacement  
Ogden Premium Dry & Freshening Ration  
Ogden Premium 16 Pel-Flake

## OGDEN GRAIN CO., Utica, N. Y. - Cont.

Ogden Premium 18% Test Cow Ration  
Ogden Rabbit Pellets  
Ogden Reliable 16% Dairy Ration  
Ogden Scratch Grains  
Ogden Super Hi-Energy Laying Mash  
Ogden Super Pig Ration

## OLIN MATHIESON CHEMICAL CORP., 10 Light St., Baltimore, Md.

Urea - Feed Compound

## OSCEOLA FRUIT DISTRIBUTORS, Kissimee, Florida

Osceola Citrus Pulp

## PABST BREWING CO., Merchandise Mart, Chicago, Ill.

Pabst Blue Ribbon Brewers Dried Grains  
Pabst Yellow Hominy Feed

## THE PARK &amp; POLLARD CO., INC., Buffalo 2, N. Y.

Hi-Prime Complete Turkey Finisher 325  
Hi-Prime Complete Turkey Grower Medicated 330-AR  
Hi-Prime Complete Turkey Grower Medicated 330-H  
Hi-Prime Turkey Starter Medicated 300-AR-S  
Lay or Bust Complete Breeder 245  
Lay or Bust Complete Chick Starter Medicated 225-ARZ  
Lay or Bust Complete Grower & Layer 230  
Lay or Bust Complete Grower & Layer Medicated 230-ARZ  
Lay or Bust Growing & Laying Mash 205  
Lay or Bust Growing & Laying Mash Medicated 205-ARZ  
Lay or Bust Hi-Valu Pellets 175  
Medicated Lay or Bust D-Wormer Crumbles 165-P  
Milk-Maid Calf Starter 455  
Milk-Maid 16% Dairy Ration 405 - 1405  
Milk-Maid 18% Dairy Ration 425 - 1425  
Milk-Maid 20% Dairy Ration 415 - 1415  
Milk-Maid Dri-Fresh Fitting Ration 440  
Milk-Maid Milk Replacer  
Milk-Maid 14% Test Ration 400  
Milk-Maid 18% Test Ration 410  
Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR  
Park & Pollard Go-Tu-It Pig Starter Medicated 555-AR-C-Z  
Park & Pollard Hi-Speed Horse Feed 545  
Park & Pollard Rabbit Pellets 580  
Red Ribbon 16% Dairy Ration 605  
Super Hi-Power Broiler Finisher Medicated 125-UN  
Super Hi-Power Broiler Ration Medicated 120-UN  
Super Lay or Bust All-Mash Breeder Medicated 140-AR  
Super Lay or Bust All-Mash Grower & Layer Medicated  
130-AR  
Super Lay or Bust All-Mash Grower & Layer Medicated  
130-ARZ  
Super Lay or Bust Chick Starter Medicated 100-ARZ  
Super Lay or Bust Egg Mash 110  
Super Lay or Bust Growing Feed 105  
Super Lay or Bust Growing Feed Medicated 105-ARZ

THE PARK & POLLARD CO., INC., Buffalo 2, N. Y.-Cont.

Super Lay or Bust 16% Poultry Finishing Ration 135

PASCO PACKING CO., Dade City, Florida

Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, N. Y.

Hominy Feed

PENICK & FORD LTD., INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal

21% Protein Douglas Corn Gluten Feed

PENNSYLVANIA HIDE & RENDERING CO., Div. of The Van Iderstine Co., 917 Middle St., Scranton, Pa.

Pennsylvania Meat and Bone Scraps

CHAS. PFIZER & CO., INC., 11 Bartlett St., Brooklyn, N. Y.

High Lay Premix

R-4

THE PHILADELPHIA SEED CO., INC., Philadelphia 5, Pa.

Pigeonetts by PURGRAIN

THE PILLSBURY COMPANY, Minneapolis, Minn.

Pillsbury's XX Daisy (Reddog)

Pillsbury's Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run

Pillsbury's Wheat Middlings with Ground Wheat Screenings not Exceeding Mill Run

PILLSBURY CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 34% Protein Solvent Extracted Linseed Oil Meal

R. C. PRATT & CO. LTD., 18 Toronto St., Toronto, Canada

Ruler Brand Pure Wheat Shorts

PUBLICKER INDUSTRIES, INC., 1429 Walnut St., Philadelphia, Pa.

Paco Molasses Distillers Dried Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago, Ill.

Ful-O-Pep Calf Ration

Ful-O-Pep Calf Starter

Ful-O-Pep Chick Starter

Ful-O-Pep Chick Starter (Q2)

Ful-O-Pep Chick Starter (V)

Ful-O-Pep Derwood Horse Crunch

Ful-O-Pep Egg Breeder Mash

Ful-O-Pep Egg Breeder Ration

Ful-O-Pep Egg Ration

Ful-O-Pep Goat Feed

Ful-O-Pep Gro-Pork (280K)

Ful-O-Pep Growing Mash

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago, Ill.-Cont.

- Ful-O-Pep Growing Mash (Q3)
- Ful-O-Pep Growing Mash (VI) Medicated
- Ful-O-Pep Growing Ration
- Ful-O-Pep Growing Ration Q1
- Ful-O-Pep Growing Ration (V) Medicated
- Ful-O-Pep High Sweet Blend L
- Ful-O-Pep Horse Feed
- Ful-O-Pep Laying Mash
- Ful-O-Pep Laying Ration
- Ful-O-Pep Medicated Super Greens Pellets (C2D1)
- Ful-O-Pep Pig-N-Sow Ration
- Ful-O-Pep Pig Starter (KP)
- Ful-O-Pep Pullet Developer
- Ful-O-Pep Pullet Developer (Q1)
- Ful-O-Pep Pullet Developer (V) Medicated
- Ful-O-Pep Rabbit Ration (C4)
- Ful-O-Pep Super Egg Breeder Ration(A)
- Ful-O-Pep Super Greens Pellets
- Ful-O-Pep Super Laying Ration (A) Medicated
- Ful-O-Pep Super Laying Ration (A)
- Ful-O-Pep Super Milking Feed
- Ful-O-Pep Super Milking 32
- Muffets Shredded Wheat Feed
- Quaker Sugared Schumacher Feed
- Vim Oat Mill By-Product
- Yellow Hominy Feed - S

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

- Checkerboard Pasture Ration L
- Corn and Oat Provender
- Custom Breeder (Arbor Acre)
- Custom Broiler Finisher (Arbor Acre) Medicated
- Custom Broiler Finisher NON (Arbor Acre)
- Custom Broiler Starter (Arbor Acre) Medicated
- Custom Developer (Arbor Acre)
- Custom Grower D (Arbor Acre)
- Northeastern Scratch Feed
- 36% Protein Cottonseed Meal
- 44% Protein Solvent Extracted Soybean Oil Meal
- Purina B & M Cow Chow
- Purina Baby Pig Chow Medicated
- Purina Breeder Lay Chow E.
- Purina Breeder Layena (Complete Ration) E
- Purina Broiler Chow D Medicated
- Purina Broiler Chow (D) UN Medicated
- Purina Broiler Chow Finisher E Medicated
- Purina .0023% Dienestrol Diacetate in Purina Broiler Chow  
Finisher E Medicated
- Purina Dienestrol Diacetate Mixture in Purina Broiler Chow  
Finisher (E) BI Medicated
- Purina Broiler Chow Finisher (E) NON
- Purina Broiler Chow Finisher (E) AB Medicated
- Purina Broiler Chow Finisher (E) AB BI Medicated
- Purina Broiler Chow Finisher (E) AB NC Medicated

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Broiler Chow Finisher (E) 3 NC Medicated  
Purina Broiler Chow Finisher (E) UN Medicated  
Purina Broiler Chow Starter E Medicated  
Purina Broiler Chow Starter (E) AB BI Medicated  
Purina Broiler Chow Starter (E) AB NC Medicated  
Purina Broiler Chow Starter (E) 3 NC Medicated  
Purina Broiler Chow Starter (E) UN Medicated  
Purina Bulky Las  
Purina Calf Startena  
Purina Calf Startena (Coarse)  
Purina Dienestrol Diacetate Mixture in Purina Capena NC  
Medicated  
Purina Capena UN Medicated  
Purina Chick Chow (Coarse)  
Purina Chick Chow (Fine)  
Purina Chick Growena D  
Purina Chick Growena (D) UN Medicated  
Purina Chick Growing Chow D  
Purina Chick Startena D Medicated  
Purina Chick Startena (D) UN Medicated  
Purina Complete Sow Chow  
Purina Cow Chow D 16%  
Purina Cow Chow D 20%  
Purina Cow Chow Concentrate  
Purina Cow Chow Concentrate 36%  
Purina D & F Chow  
Purina D & F Chow (Coarse)  
Purina Dairy Chow L 16%  
Purina Duck Breeder Layena  
Purina Duck Growena  
Purina Duck Startena  
Purina Eggena  
Purina Fitting Ration  
Purina Fox Chow  
Purina Game Bird Breeder Layena (Complete Ration)  
Purina Game Bird F & M Chow  
Purina Game Bird Growena  
Purina Game Bird Startena  
Purina Goat Chow A  
Purina Goat Chow A (Coarse)  
Purina Goat Chow Checkers D  
Purina Goat Chow (Special)  
Purina Guinea Pig Chow  
Purina Hog Finisher No. 1 Medicated  
Purina Lay Chow E  
Purina Layena (Complete Ration) E  
Purina Meat Pullet Fattening Chow BI Medicated  
Purina Medicated Chek-R-Aid  
Purina Medicated D & F Chow D (Coarse)  
Purina Medicated Mix-R-Mycin  
Purina Medicated Poultry Aid  
Purina Milk Chow D 16%  
Purina Milk Chow D 16% (Coarse)  
Purina Milk Chow D 20%

RALSTONPURINA CO., 835 S. Eighth St., St. Louis, Mo. -Cont.

Purina Milk Chow D 20% (Coarse)  
Purina Mink Breeder Chow  
Purina Mink Developer Chow  
Purina Mink Developer Chow SF  
Purina Nursing Chow  
Purina Of Broiler Chow Finisher NON  
Purina Of Broiler Chow Finisher Medicated  
Purina Of Broiler Chow Finisher NC Medicated  
Purina Of Broiler Chow Finisher(V) UN Medicated  
Purina Of Broiler Chow Starter V Medicated  
Purina Of Broiler Chow Starter (V) AB BI Medicated  
Purina Of Broiler Chow Starter (V) NC Medicated  
Purina Of Broiler Chow Starter (V) UN Medicated  
Purina Omolene  
Purina Pigeon Chow Checkers  
Purina Pig Startena Medicated  
Purina Pig-Plus Medicated  
Purina Poultry Booster Chow  
Purina Poultry Wormer D  
Purina Pullet Developer  
Purina Pullet Developer UN Medicated  
Purina Pullet Devoper F  
Purina Pullet Developer (F) UN Medicated  
Purina Rabbit Chow Checkers (20%)  
Purina Rabbit Chow Checkers( Complete Ration)  
Purina Rabbit Chow Checkers( Complete Ration) SQ Medicated  
Purina Rabbit Chow Checkers NF SQ( Complete Ration) .  
Medicated  
Purina Rabbit Chow Checkers WO  
Purina Range Checkers  
Purina Roaster Chow E  
Purina Dienestrol Diacetate Mixture in Purina Roaster Chow  
(E) BI Medicated  
Purina Roaster Chow (E) NC Medicated  
Purina Dienestrol Diacetate Mixture in Purina Roaster Chow  
(E) NC Medicated  
Purina Roaster Chow (E) UN Medicated  
Purina Rolled Oats (Steam Cooked)  
Purina Silage Preserver  
Purina Special Steer Fatena 32%  
Purina .0011% Diethylstilbestrol Mix in Purina Special Steer  
Fatena 32%  
Purina Squab Broiler Chow 3 NC Medicated  
Purina Squab Broiler Chow UN Medicated  
Purina Super Breeder Layena (Complete Ration)  
Purina Super Layena (Complete Ration)  
Purina Turkey Breeder Layena  
Purina Turkey Breeder Layena HZ Medicated  
Purina Turkey Broiler Finisher D  
Purina Turkey Fatena D  
Purina Turkey Fatena (D) HZ Medicated  
Purina Turkey Fatena (D) SQ Medicated  
Purina Turkey Finisher D No. 1  
Purina Turkey Finisher D No. 1 HZ Medicated

RALSTON PURINA CO., 834 S. Eighth St., St. Louis, Mo. - Cont.

- Purina Turkey Finisher D No. 2
- Purina Turkey Finisher D No. 2 HZ Medicated
- Purina Turkey Growena D No. 1
- Purina Turkey Growena D No. 1 HZ Medicated
- Purina Turkey Growena D No. 1 SQ Medicated
- Purina Turkey Growena D No. 2
- Purina Turkey Growena D No. 2 HZ Medicated
- Purina Turkey Growena D No. 2 SQ Medicated
- Purina Turkey Pre-Starter
- Purina Turkey Startena
- Purina Turkey Startena HZ Medicated
- Purina Turkey Startena SQ Medicated

READING MILLING CO., INC., 1847 Centre Ave., Reading, Pa.

- Faramel All Mash Grower
- Faramel All Mash Layer
- Faramel Rabbit Food Pellets
- Pure Winter Wheat Middlings

ROHLOFF BROS., INC., Graytown, Ohio

- Rohloff's Dehydrated Alfalfa Meal with Animal Fat 15%
- Rohloff's Dehydrated Alfalfa Meal with Animal Fat 17%
- (Registered by West-Nesbitt, Inc., Oneonta, N. Y.)

RUSSELL-MILLER MILLING CO., P.O. Box 2111, Commerce Station, Minneapolis 15, Minn.

- Occident Wheat Bran
- Occident Wheat Germ Meal
- Occident Wheat Middlings with Ground Wheat Screenings
- Occident Wheat Red Dog

SASKATCHEWAN WHEAT POOL NO. 8, Fort William, Ontario, Canada

Ground Flax Screenings

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

- Wolf's Broiler Finisher Medicated
- Wolf's Calf Milk Replacer
- Wolf's Calf Starter
- Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
- Wolf's Complete Hi-Eff Growing Mash
- Wolf's Complete Hi-Eff Profit Builder Medicated
- Wolf's Complete Hi-Eff Profit Builder, Medicated AR SQ
- Wolf's 14% Dairy Ration
- Wolf's 16% Dairy Ration
- Wolf's 18% Dairy Ration
- Wolf's 20% Dairy Ration
- Wolf's Dry & Freshening Ration
- Wolf's Egg Mash
- Wolf's Hi-Speed Starter & Broiler Ration Medicated
- Wolf's Horse Feed
- Wolf's Performo-Las
- Wolf's Pig and Hog Feed
- Wolf's Super Hi-Eff Starter & Broiler Ration Medicated

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.-Cont.

Wolf's 16% Test Ration

SCHENLEY DISTILLERS, INC., 350 Fifth Ave., New York, N. Y.

Schenley Mark of Merit Corn Distillers Dried Grains with Solubles

Schenley Mark of Merit Milo Distillers Dried Grains with Solubles

Schenley's Soludri Corn Distillers Dried Solubles

Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Penna.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

SEA BOARD SUPPLY CO., 35th & Gray's Ferry, Philadelphia, Pa.

Dried Tomato Pomace

SEA-BORN MINERAL, Div. of Skod Co., 15 E. Elm St., Greenwich, Connecticut

Sea-Born

SEACOAST PRODUCTS CO., Fort Miles Rd., Lewes, Delaware

Smith's Lifeline Fish Meal Stabilized with (Food Grade)  
Butylated-Hydroxy-Toluene

SEAFORTH MILLING CO. LTD., Montreal, Winnipeg, Keewatin,  
Canada

Tip Top Ground Grain Screenings

JOSEPH E. SEAGRAM & SONS, INC., 375 Park Ave., New York, N. Y.

Seagram's Corn Distillers Dried Grains

Seagram's Corn Distillers Dried Grains

Seagram's Corn Distillers Dried Solubles

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn.

Miracle Broiler-Starter Medicated with SQ & 3-Nitro

Miracle 14% Calf Grower

Miracle Dairy 16%

Miracle Fitting Ration

Miracle Hi-Energy All Mash Layer

Miracle Hi-Q 16% Dairy

Miracle Hi-Q 18% Dairy

Miracle Hog Finisher Ration

Miracle Horse Feed

Miracle 20% Laying Mash

Miracle Pig Grower

Miracle Scratch Feed

Pasture Mix

See-More-Milk Dairy Ration 18%

See-More-Milk Dairy Ration 20%

THE SHERWIN-WILLIAMS CO., 101 Prospect Ave., N. W. Cleveland,  
Ohio

Sherwin-Williams 34% Linseed Oil Meal Solvent Extracted

Sherwin-Williams 44% Protein Soybean Oil Meal (Solvent Ext.)

SOUTHERN FRUIT DISTRIBUTORS, Orlando, Florida

Bluebird Citrus Pulp

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.  
(See also Vitamin Carriers)

Perma-Mix C.C.C. No. 1  
Perma-Mix C.C.C. No. 2  
Perma-Mix C.C.C. No. 3  
Perma-Mix C.C.C. No. 4  
Perma-D-1500  
Perma-D-3000

A. E. STALEY MANUFACTURING CO., Decatur, Ill.

Staley's 21% Corn Gluten Feed  
Staley's 41% Corn Gluten Meal  
Staley's Hi Pro Con 50% Protein Dehulled Solvent Extracted  
Soybean Oil Meal  
Staley's 44% Protein Solvent Extracted Soybean Oil Meal  
Staley's Solvent Extracted Corn Oil Meal

STANDARD BRANDS INC., 625 Madison Ave., New York, N. Y.

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast  
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

SUNI-CITRUS PRODUCTS CO., Haines City, Florida

(Registered by Cocke & Co., Atlanta, Ga.)  
Sweet Suni-Citrus Pulp

SUNSHINE BISCUITS, INC., Milling Division, Grafton, Ohio

UMC Wheat Bran - Pure Wheat Bran  
UMC Wheat middlings (With Ground Screenings not exceeding  
Mill Run)

SWIFT & CO., Box 110, Fostoria, Ohio

Swift's 41% Protein Prime Quality Cottonseed Meal  
Swift's 44% Protein Solvent Extracted Soybean Oil Meal  
Swift's 50% Protein Dehulled Solvent Extracted Soybean Oil  
Meal  
Swift's Soybean Mill Feed

TRI ASSOCIATES, INC., 8500 Pillsbury Ave., South, Minneapolis,  
Minnesota

Tri's Grade A Brand Calf Milk-Replacer

ULTRA-LIFE LABORATORIES, INC., East St. Louis, Illinois

34% Protein Solvent Extracted Linseed Oil Meal  
Ultra Brand Poul-Centrate  
Ultra-Life Broiler-Gro Medicated  
Ultra-Life Calf Food Pellets Medicated  
Ultra-Life High Energy Poultry  
Ultra-Life Livestock  
Ultra-Life Pig-Gro  
Ultra-Life Turkey-Gro

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad St.,  
Fitchburg, Mass.

UCF Booster NF100 Medicated  
UCF Calf Meal  
UCF Calf Starter  
UCF 16% Dairy  
UCF 18% Dairy  
UCF 20% Dairy  
UCF Fitting Ration  
UCF Grower  
UCF Hi Fi All Mash Grower  
UCF Hi NRG All Mash Breeder Medicated  
UCF Hi NRG All Mash Grower  
UCF Hi NRG All Mash Grower & Layer  
UCF Hi NRG All Mash Layer  
UCF Hi NRG Broiler Finisher  
UCF Hi NRG Broiler Finisher Medicated  
UCF Hi NRG Broiler Finisher Medicated  
UCF Hi NRG Broiler Starter Medicated  
UCF Hi NRG Starter  
UCF Hi NRG Starter Medicated  
UCF Horse Feed  
UCF Layer  
UCF Medicated Booster 100  
UCF Medicated Booster 200  
UCF Milk Replacer  
UCF Pig & Hog Feed  
UCF Succulent Dairy

UNITY FEEDS INC., 177 Milk St., Boston, Mass.

Unity Broiler Maker Pellets  
Unity Broiler Maker  
Unity Broiler Starter Medicated  
Unity Bulky Mix Ration  
Unity Dairy and Fitting Ration  
Unity 16% Dairy Ration  
Unity Growing and Laying Mash  
Unity High Energy Breeder Mash  
Unity High Energy Laying Mash  
Unity Medicated Booster  
Unity Medicated Hen-Biotic  
Unity Milkets  
Unity Super Starter Medicated  
Unity Trim Medicated  
Unity Turkey and Game Bird Growing Mash

UNIVERSAL GRAIN CO. of N. J., 425 South St., Newark, N. J.

Superior Cow Brand Dried Brewers Grains

GEORGE URBAN MILLING CO., Buffalo, N. Y.

Wheat Standard Middlings

VITARON CHEMICAL MFG. CO., INC., 142 Monroe St., Garfield,  
New Jersey

Vitamin A and D Feeding Oil

HIRAM WALKER & SONS, INC., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

THE WATERTOWN COOPERATIVE ASS'N., INC., Watertown, Conn.

Watertown Coop. 16 Dairy

H. K. WEBSTER CO., Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration

Blue Seal All-Mash Egg Ration

Blue Seal All-Mash Grow & Lay Medicated AR

Blue Seal All-Mash Grow and Lay Medicated SQ

Blue Seal All-Mash Growing Ration

Blue Seal All-Mash Growing Ration Medicated 133

Blue Seal All-Mash Growing Ration SQ Medicated

Blue Seal All-Mash Pullet Framer

Blue Seal All Mash Pullet Framer Medicated

Blue Seal B-4 Broiler Medicated

Blue Seal Calf Starter

Blue Seal Chick Feed

Blue Seal Chick Starter Medicated 78

Blue Seal Coarse 16 Dairy Ration

Blue Seal Coarse 20 Dairy Ration

Blue Seal "30" Dairy Concentrate

Blue Seal Egg Mash

Blue Seal Fat & Finish Ration Pellets

Blue Seal Fat and Finish Ration Medicated 129

Blue Seal B-5 Finisher Medicated Pellets

Blue Seal Fitting Ration

Blue Seal Goat Feed

Blue Seal Horse Feed

Blue Seal Medicated Chick Booster 7705

Blue Seal Medicated CW-Mix 26

Blue Seal Medicated NF-Mix

Blue Seal Medicated ORO-Mix

Blue Seal Medicated SQ-Mix 68

Blue Seal Milkers' Sixteen

Blue Seal Milk Replacer

Blue Seal Pig Feed Medicated

Blue Seal Poultry and Turkey Fitting

Blue Seal Poultry Wormer

Blue Seal Producer's Grow & Lay

Blue Seal Rabbit Pellets Medicated

Blue Seal Standard "14" Fitting Ration

Blue Seal Standard 16 Dairy Ration

Blue Seal Standard 20 Dairy Ration

Blue Seal Succulent Feed and Calving Ration

Blue Seal Super Breeder's Mash

Blue Seal Sweet Sixteen

Blue Seal Test Ration

Blue Seal Turkey Growing

Blue Seal Turkey Growing Medicated

## WEST-NESBITT, INC., Oneonta, N. Y.

All Pure Milk Ration  
Cream-Line Dairy-Test Ration  
Pure Feed Broiler Finisher Medicated  
Pure Feed Broiler Starter Medicated  
Pure Feed Calf Grower  
Pure Feed Complete Grower  
Pure Feed Complete Layer  
Pure Feed Complete Rabbit Pellets  
Pure Feed 16% Dairy Ration  
Pure Feed Dairy-Test Ration  
Pure Feed Egg & Breeder  
Pure Feed Egg Maker  
Pure Feed 14% Fitting Ration  
Pure Feed Grower  
Pure Feed Horse Ration  
Pure Feed Starter Medicated  
Pure Feed Sweet "16"  
Pure Feed Swine Ration  
Pure Feed Turkey Finisher  
Pure Feed Turkey Grower  
Pure Feed Turkey Starter Medicated  
Rohloff's Dehydrated Alfalfa Meal with Animal Fat  
West-Nesbitt Milk Replacer  
Standard Midds

## A. C. WETHERELL, Suffield, Conn.

Special Dairy Mixture No. 3

## WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Machnicki Vitamin Premix

Flav-A-Dee

Layer Premix No. 1

Whitcod Pure Cod Liver Oil USP Non Destearinated

THE GEO. WIEDEMANN BREWING CO., 601 Columbia St., Newport,  
Kentucky

Brewers Dried Grains

WILKINS-ROGERS MILLING CO., INC., 3261 K St. N.W., Washington,  
D. C.

Pure Wheat Bran

## WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Indiana

Wilson's Hominy Feed

## WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

All Pellet Big W 16 Dairy Feed  
Apex 16% Dairy Feed  
Big W 16% Dairy Feed  
Big W 20% Dairy Feed  
Big W Silage Preservative  
Davis 16% Dairy Ration  
Davis Horse Feed

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. -Cont.

## O.P.M. Scratch

Wirthmore All Pellet 16% Dairy Feed

Wirthmore All Pellet 20% Dairy Feed 281

Wirthmore Baby Chick Scratch 134

Wirthmore Breeder Mash 120

Wirthmore Broiler Starter 410 Medicated

Wirthmore Calf Starter Meal 218

Wirthmore Calving Feed

Wirthmore Chick Starter 100

Wirthmore Chick Starter 400 Medicated

Wirthmore Chick Starter 417 Medicated

Wirthmore Coarse Test Dairy Feed 201

Wirthmore Coccidiosis Treatment Ration 411 Medicated

Wirthmore Commercial Grower Layer

Wirthmore Commercial High Calorie Broiler Starter 610  
Medicated

Wirthmore Commercial Hi-Ener-G Broiler Ration

Wirthmore Commercial Hi-Ener-G Broiler Ration 613  
Medicated

Wirthmore Complete Breeder-Layer A 140

Wirthmore Complete Breeder Ration 114

Wirthmore Complete Egg Ration 112

Wirthmore Complete Egg Ration 412 Medicated

Wirthmore Complete Growing Ration 110

Wirthmore Complete Growing Ration 409 Medicated

Wirthmore Complete Turkey Breeder Ration 310

Wirthmore Complete Turkey Fattening Ration 306

Wirthmore Complete Turkey Fattening Ration 443 Medicated

Wirthmore Complete Turkey Growing Ration 304

Wirthmore Complete Turkey Growing Ration 442 Medicated

Wirthmore 14 Dairy Feed

Wirthmore 16 Dairy Feed

Wirthmore 20 Dairy Feed

Wirthmore 36% Dairy Mixing Feed

Wirthmore 16 Dairy Record Feed 202

Wirthmore 18 Dairy Record Feed 204

Wirthmore 30 Dairy Supplement

Wirthmore 32 Dairy Supplement 228

Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore  
Finisher Medicated

Wirthmore Fodder Greens 215

Wirthmore Game Bird Grower Ration 506

Wirthmore Game Bird Starter 480 Medicated

Wirthmore Grow &amp; Egg Mash 119

Wirthmore Grow &amp; Egg Mash 415 Medicated

Wirthmore Hi-Ener-G Breeder Medicated

Wirthmore Hi-Ener-G Broiler Ration 614

Wirthmore Hi-Ener-G Layer Medicated

Wirthmore Hi-Energy Layer 129

Wirthmore Hog Grower

Wirthmore Horse Feed 517

Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated

Wirthmore Improved Hi-Ener-G Starter and Broiler Ration 103

Wirthmore Meatless Mink Food 512

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont.

Wirthmore Medicated 200  
Wirthmore Medicated Broiler Perk 405  
Wirthmore Medicated Ketrol 227  
Wirthmore Medicated Quickies  
Wirthmore Medicated Quick Perk  
Wirthmore Medicated Pig Zip 513  
Wirthmore Medicated Rabbit Pellets 553  
Wirthmore Medicated Treat 431  
Wirthmore Medicated Turk-E-Perk 435  
Wirthmore Milk Mizer  
Wirthmore Mink Food  
Wirthmore New Hope Horse Feed  
Wirthmore Pig and Sow Feed  
Wirthmore 36% Poultry Concentrate 195  
Wirthmore Poultry Fitting 125  
Wirthmore Poultry Wormer  
Wirthmore Rabbit Pellets 503  
Wirthmore Rabbit Pellets 554 Medicated  
Wirthmore 14 Record Fitting Feed  
Wirthmore Roaster Finisher  
Wirthmore Roaster Finisher 426 Medicated  
Wirthmore Scratch 136  
Wirthmore Stock Primer 210  
Wirthmore Super Pellets 128  
Wirthmore Turkey Breeder Developer 305  
Wirthmore Turkey Breeder Developer 445 Medicated  
Wirthmore Turkey Growing Ration 303  
Wirthmore Turkey Growing Ration 433 Medicated  
Wirthmore Turkey Growing Ration 441 Medicated  
Wirthmore Turkey Starter 419 Medicated  
Wirthmore Twin-Mix Calf Feed

THE YANTIC GRAIN &amp; PRODUCTS CO., 3 Cove St., Norwich, Conn.

(See also Vitamin Carriers)

Big Y Breeder Mash  
Big Y Calf & Beef Ration  
Big Y Calf Starter and Builder  
Big Y Calving Ration  
Big Y Chick Scratch Grain  
Big Y Chlortetracycline (Aureomycin) Mixture  
Big Y Confinement Growing Mash  
Big Y Controlled Growing Ration  
Big Y Dairy and Fitting Ration  
Big Y 16% Dairy Ration  
Big Y 16% Dairy Ration Extra-M  
Big Y 16% Dairy Ration Medicated  
Big Y 18% Dairy Ration  
Big Y 20% Dairy Ration  
Big Y Dairy Ration Purity  
Big Y Egg Maker  
Big Y Energized 16 Dairy Feed  
Big Y Extra Production Laying Mash Medicated  
Big Y Grower-Layer Mash  
Big Y Hi-Efficiency Breeder Ration

## THE YANTIC GRAIN &amp; PRODUCTS CO., 3 Cove St., Norwich, Conn. -

Big Y Hi-Efficiency Laying Mash  
Big Y Hi-Efficiency Laying Mash with FZ  
Big Y Hi-G Dairy Ration  
Big Y Hi-G Scratch Feed  
Big Y High Efficiency Grower  
Big Y High Efficiency Grower with Sulfaquinoxaline  
Big Y Hog & Pig Ration  
Big Y Horse Feed  
Big Y Improved Al-Mo  
Big Y Improved Broiler Finisher  
Big Y Improved Broiler Finisher Medicated  
Big Y Improved Broiler and Starter Ration Medicated  
Big Y Improved Turkey Starter and Game Bird Feed  
Big Y Improved Turkey Starter and Game Bird Feed= SQ  
Big Y Intermediate Chick Grain  
Big Y 20% Laying Mash  
Big Y M & O Growing Feed  
Big Y Peerless Broiler & Starter Ration Medicated  
Big Y Poultry Fitting Ration  
Big Y Powerhouse Crumbles Medicated  
Big Y Pre-Starter Medicated  
Big Y Rabbit Pellets  
Big Y Rabbit Pellets SQ Medicated  
Big Y Scratch Feed  
Big Y Sheep and Goat Feed  
Big Y Station Fattener Pellets  
Big Y Stock Feed  
Big Y Super Starter-Broiler Ration  
Big Y Super Starter Ration Medicated  
Big Y Supreme Laying Mash  
Big Y Test Cow Ration  
Big Y Turkey Fattener  
Big Y Turkey Fattener Medicated  
Big Y Turkey Growing Feed  
Big Y Blackhead Preventive Mixed with Big Y Turkey  
Growing Feed  
Big Y Turkey Growing Feed Medicated  
Big Y Turkey Growing Feed with Sulfaquinoxaline  
Big Y Worming Mash  
Big Y 20% Dairy Ration Coarse - Extra-M

## YIELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed Medicated DS-15  
David Small's Chick Starter DS-27  
David Small's D.S.H.S. Broiler Feed Medicated  
David Small's D.S.H.S. Finishing Feed Medicated  
David Small's Finishing Feed Medicated DS-16  
David Small's Finisher Pellets DS-28  
David Small's Growing Mash Medicated DS-1  
David Small's High Efficiency All Mash Breeder Medicated  
David Small's High Energy Breeder DS-29  
David Small's High Energy Breeder Medicated DS-2  
David Small's Hi-Energy Layer-Grower Mash DS-26  
David Small's Sex-Link Layer Mash - DS-30

## YIELDMOR FEEDS, INC., Piqua, Ohio - Cont.

Yieldmor Broiler Booster Medicated M-25  
 Yieldmor Broiler Booster Medicated M-27  
 Yieldmor Chick Starter C-1  
 Yieldmor 16% Growing Mash - C-4  
 Yieldmor 16% Growing Mash Medicated C-34  
 Yieldmor High Efficiency All Mash Breeder C-13  
 Yieldmor Hi-Energy Layer-Grower Mash, C-21  
 Yieldmor 24% Super Broiler Medicated B-47  
 Yieldmor 24% Super Broiler Medicated B-125  
 Yieldmor 20% Super Finisher Medicated F-125

## MEYER ZAUSNER, INC., New Holland, Penna.

Zausner Condensed Whole Whey

**VITAMIN CARRIERS**

W. A. BUTLER CO., P.O. Box 227, Harrisonburg, Virginia

Vitamin Premix

CHEMO PURO MANUFACTURING CORP., 150 Doremus Ave., Newark, N. J.

Chemo-Nutrient Premix Code No. MGS-4

COMMERCIAL SOLVENTS CORP., 260 Madison Ave., New York, N. Y.

B-Y-21 Riboflavin Supplement

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill.

(See also Feeds)

Dawe's Fermentation Flavonne No. 1

Dawe's Vitamelk Ruminant Type

3-Nitro-4 Hydroxy Mixture Special Broiler Mix No. 571-D

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, California

All Purpose Pre-Mix

Custom High Energy Pre-Mix

Roaster Pre-Mix Medicated

W. M. Plain Pre-Mix Medicated

THE FOX CO., Newfield, N. J.

(See also Feeds)

Foxco D Activated Animal Sterol (Source of Vitamin D<sub>3</sub>)

Foxco Flavitein

Foxco Qualadee A & D Feeding Oil

Vitamin 2-4-9-C Supplement

PETER HAND FOUNDATION, 1000 W. North Ave., Chicago, Ill.

Custom W.M. Plain Premix No. 2717

INTERNATIONAL STOCK FOOD CORP., 533 Broad St., Waverly, N. Y.

I.S.F. Cattle Special

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave.,  
New York, N. Y.

(See also Feeds)

Kaff-A Booster Pellets

Kaff-A Milk Replacer for Calves Medicated Milk by-Products  
65%

Pex Condensed for Poultry

Pex-High Lay Pellets for Layer & Breeders

Pex Self Feeder Block for Broilers

Pex Self Feeder Block for Layers & Breeders

Pex Self Feeder Block for Poultry

Pex Self Feeder Whey Block for Poultry

MARINE PRODUCTS CO., 339 West First St., Boston, Mass.

High Potency Vitamins A & D Feeding Oil

MERCK & CO., INC., Rahway, N. J.

(See also Feeds)

No. 659 Vitamin Mixture

No. 941 Feed Supplement Improved Premix Medicated

MYZON, INC., 3129 W. 47th St., Chicago, Ill.

Myzon Calf Builder

Myzon Poultry Builder

Myzon Poultry Medicine

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave. So.,  
Minneapolis, Minn.

(See also Feeds)

Calvita (Trade Mark Reg.) Calf Formula

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Feeds)

Nopco-Pak EKK W. M. Plain Premix

Nopco-Pak High Energy Premix Code EMC

Nopco-Pak Hi-Lay Premix (Code DDA)

Nopco-Pak Roaster Premix Code ELN Medicated

Nopco-Pak Super Premix Medicated Code EAZ

Nopdex 3000

CHAS. PFIZER & CO., INC., 11 Bartlett St., Brooklyn, N. Y.

High Lay Premix

Pfizer R-4 Riboflavin Supplement

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.

Perma-D-1500

Perma-D-3000

Perma-Mix C. C. C. No. 1

Perma-Mix C. C. C. No. 2

Perma-Mix C. C. C. No. 3

Perma-Mix C. C. C. No. 4 Broilers

STANDARD BRANDS, INC., 625 Madison Ave., New York, N. Y.

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast  
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

VITARON CHEMICAL MANUFACTURING CO., 146 Monroe St.,  
Gardfield, N. J.

Vitamin A & D Feeding Oil

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Flav-A-Dee

Layer Premix No. 1

Machnicki Vitamin Premix

Whitcod Pure Cod Liver Oil USP Non Destearinated

WIRTHMORE FEEDS, INC., 343 Winter St., Waltham, Mass.

Wirthmore Calf Starter Meal

Wirthmore Twin Mix Calf Feed



### SUMMARY OF INSPECTION

In the calendar year 1960, a total of 1,465 samples was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	181
Check feeds, A. A. F. C. O.	16
Commercial feeding stuffs, official samples	768
Miscellaneous feeds, etc., analyzed for purchasers	126
Pasture grass and feedstuffs for Storrs Station	304
Vitamin carriers	70
	<hr/>
	1,465

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

#### Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples	768
Samples deficient in:	
one item	86
two items	6
92	
Percentage of samples meeting guaranties	88
Total guaranties made	2,498 <sup>2</sup>
Guaranties not met:	
protein	26
fat	36
fiber	5
arsanilic acid	6
furazolidone	2
glycarbylamide	1
nicarbazin	12
nitrofurazone-furazolidone	1
3-nitro-4-hydroxyphenylarsonic acid	3
4-nitrophenylarsonic acid	3
sulfaquinoxaline	8
p-ureidobenzeneearsonic acid	1
	104
Percentage of guaranties met	96

The proportion of samples meeting all guaranties and the overall percentage of satisfactory guaranties were both slightly better than the 87 and 95 per cent found in 1959.

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<sup>2</sup> Seven samples with six guaranties, 38 with five guaranties, 103 with four guaranties, 615 with three guaranties, four with two guaranties, and one with one guaranty (guaranties for undetermined medicants not included).

Analyses are given in Table 1; deficiencies are shown by wavy underlining (  ). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and  $\pm$  20 per cent of guaranty for drugs.

### Vitamin Carriers

Sixty samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old White Leghorn chicks for poultry feed supplements and white rats of the Osborne-Mendel strain for supplements for four-footed animals. All except 14 of these samples guaranteed one to five additional vitamins (usually riboflavin, niacin and calcium pantothenate), and results for these vitamins are included in Table 2 under the respective samples. This table also lists 10 samples of which seven contained vitamin D, but were not tested for this vitamin and three contained no D, but bore guarantees for one or more other vitamins.

All vitamin D Samples tested fully met their guaranties - a 100 per cent passing ratio that has been met only once before, (in 1958) in the 24-year period from 1937 to 1960 inclusive that vitamin D assays have been run.

On the basis of a  $\pm$  20 per cent tolerance, the numbers of samples failing to meet their guaranties for the other vitamins were as follows:

<u>Deficient in</u>	No. of samples
Calcium pantothenate, niacin and riboflavin	1
Calcium pantothenate and niacin	1
Calcium pantothenate and riboflavin	1
Calcium pantothenate and thiamine	1
Niacin and riboflavin	1
Calcium pantothenate	3
Niacin	1
Riboflavin	1
	10

Of the total of 70 samples, 60, or 86 per cent, met all guaranties.

### Miscellaneous Feeds

One hundred and twenty-six unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers, farmers and the State Supervisor of Purchases, as well as samples of hay and silage whose analysis was requested by farmers and the Fairfield State Hospital. Check analyses of three feeds were run at the respective requests of the Maine Agricultural Experiment Station, a drug manufacturer and a dealer, and the riboflavin content of a guinea pig diet was determined for the Yale University School of Medicine.

Four commercial mixed feeds were deficient:

365. Purina D & F Chow. Ralston Purina Co., St. Louis, Mo., Fat, per cent: Guaranteed, 2.50; found, 1.59. Corn Meal present, not declared. Urea 0.23 per cent.

746B. Sea Born. Skod Co., Greenwich, Conn. Protein, per cent: Guaranteed, 5.00; found, 4.63.

775. David Small High Energy Breeder with NF 180 and Aureomycin. Yieldmor Feeds, Inc., Piqua, Ohio. Furazolidone, per cent: Guaranteed, 0.011; found, 0.0164.

9935. Yieldmor 24% Super Broiler Medicated B-125. Yieldmor Feeds, Inc., Piqua, Ohio. Fat, per cent: Guaranteed, 7.50; found 4.94. Nicarbazin, per cent: Guaranteed, 0.0125; found, 0.0070. 3-Nitro-4-hydroxyphenylarsonic acid, per cent: Guaranteed, 0.0050; found, 0.0032.

Several samples were submitted because they were suspected of having caused illnesses or deaths of animals. In only three cases were deleterious substances found in commercial feeds: An unknown brand of dog food contained 10 parts per million of arsenic and 30 p.p.m. of barium were found in two mink feeds. The 10 other miscellaneous samples implicated in possible poisoning cases were: Three samples of brook water containing traces of cyanide; two samples of water and two of bricks from a pond near a former sulphuric acid plant (the bricks were heavily impregnated with sulphuric acid, and one water sample contained 0.36 per cent of this acid); two meat baits containing cyanide; and some pasture grass near a property sprayed to kill brush that was found to contain 532 p. p. m. of arsenic.

The two following samples were tested for DDT for a manufacturer and a dairyman, not because any poisoning question was involved, but because materials fed to dairy animals are required to be free of any detectable trace of this insecticide:

1916. Apple Pomace. V. Tenedine & Sons, Inc., North Haven, Conn. DDT, 10 parts per million.

250. Corn Silage. Willard Pinney, Somers, Conn. DDT, 3 parts per million.

Analysis of the following sample used as mink food may be of interest:

1160. Frozen Ground Duck. I. Starr, Hartford, Conn. Water 70.16; protein, 10.50; fat, 17.57, and fiber, 0.13, per cent.

### Biological Specimens Examined for Poisons

One hundred and eighty-one biological specimens of which the great majority came from veterinarians, were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 55 of them, poisonous substances were found in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Alpha naphthyl thiourea ("ANTU") (1); antimony with cyanide (1); arsenic (9); arsenic with lead (1); barium (1); barium with lead (4); beryllium (1); chromium with lead and titanium (1); DDT (2); lead (17); mercury (8); nicotine (1); strychnine (2); sulphuric acid (5) and thallium (1). As usual, lead was the predominant poison, with 23 cases.

When these tests were begun in 1907 or earlier<sup>3</sup> most of the cases referred to us were those of farm animals; today, dogs and other pets predominate. Certain poisons are found almost exclusively in such pets or in wild animals. For instance, of the eight cases of mercury poisoning in 1960, four were cats, one a dog and one, several mink; only one each being a calf and a horse. The two cases of strychnine poisoning and the one case each of "ANTU" and thallium poisoning all involved dogs.

The positive beryllium sample was a specimen of lung tissue submitted by the Pathology Department of the Danbury Hospital which contained 0.018 part per million of this element. The two DDT cases were those of robins, whose viscera contained between 23 and 56 p. p. m. of this insecticide.

### Check Feeds

Thirteen feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and three samples of alfalfa were assayed for carotene in a program also sponsored by that association.

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<sup>3</sup> J. Am. Vet. Med. Assoc., 118, 309 (1951)

TABLE I. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
	ACME-EVANS CO. INC. Indianapolis, Ind.			
2519	Acme Red Dog	11.41	14.00	15.88
1698	Acme Wheat middlings with Ground Wheat Screenings	13.51	14.00	14.38
2491	Acme Yellow Hominy Feed	11.19	9.00	11.13
	ALBERS MILLING CO. Los Angeles, Calif.			
1733	Albers Calf Manna	11.50	25.00	26.63
2103	Albers Rabbit Breeder Ration	9.11	15.00	16.25
2652	Albers Suckle	6.41	24.00	26.75
	ALLIED MILLS, INC. Chicago, Ill.			
2303	Wayne Calfnip	5.45	23.00	23.50
2302	Wayne Calf Starter	11.82	16.00	18.38
2280	Wayne 16% Dairy	10.92	16.00	17.13
2836	Wayne Egg Medicated M29	10.79	22.00	23.00
1340	Wayne Fitting Ration	14.35	14.00	15.38
2278	Wayne Fitting Ration	11.39	14.00	15.00
1341	Wayne Horse Feed	13.91	9.00	10.75
2300	Wayne Rabbit Ration	10.16	17.00	20.00
2277	Wayne Scratch Feed	12.84	9.00	9.63
2279	Wayne Test Cow	11.42	16.00	16.88
2837	Wayne Universal Egg Medicated M-29	10.80	18.00	19.50
2301	Wayne Universal Scratch Feed	13.32	9.00	9.50
	AMERICAN CRYSTAL SUGAR CO. Crookston, Minn.			
2199	Plain Dried Beet Pulp	10.52	8.50	9.38
	AMERICAN MAIZE-PRODUCTS CO., New York, N. Y.			
2420	Amaizo Corn Gluten Meal	8.29	41.00	43.63
1347	Cream of Corn Gluten Feed	13.14	21.00	21.38

~~~~~ indicates deficiencies

## INSPECTION OF 1960

| Fat                       |               | Fiber                     |              | Medicants                                                |
|---------------------------|---------------|---------------------------|--------------|----------------------------------------------------------|
| Guaran-teed not less than | Found         | Guaran-teed not more than | Found        |                                                          |
|                           |               |                           |              |                                                          |
| 3.00                      | 4.39          | 4.00                      | 2.80         |                                                          |
| 3.00<br>7.00              | 4.50<br>10.54 | 9.50<br>6.00              | 7.22<br>3.71 |                                                          |
|                           |               |                           |              |                                                          |
| 3.50                      | 3.68          | 6.00                      | 4.46         |                                                          |
| 2.00                      | 1.97          | 22.00                     | 20.05        |                                                          |
| 5.00                      | 4. <u>19</u>  | 0.50                      | 0.35         |                                                          |
|                           |               |                           |              |                                                          |
| 0.50                      | 0.19          | 0.25                      | 0.12         |                                                          |
| 3.00                      | 2. <u>14</u>  | 7.50                      | 4.67         |                                                          |
| 3.00                      | 3. <u>54</u>  | 9.00                      | 7.85         |                                                          |
| 4.00                      | 4.50          | 5.00                      | 4.68         | Arsanilic acid: Guar., 0.015%;<br>found, 0.0138%.        |
| 3.00                      | 3.06          | 8.00                      | 7.00         |                                                          |
| 3.00                      | 3.77          | 8.00                      | 6.94         |                                                          |
| 2.50                      | 3.37          | 12.00                     | 7.32         |                                                          |
| 2.00                      | 3.16          | 15.00                     | 10.36        |                                                          |
| 2.00                      | 3.37          | 5.00                      | 1.72         |                                                          |
| 4.00                      | 3.85          | 9.00                      | 6.70         |                                                          |
| 4.00                      | 4.04          | 4.00                      | 4.41         | Arsanilic acid: Guar., 0.01%;<br>found, <u>0.0131%</u> . |
| 2.00                      | 3.00          | 5.00                      | 4.17         |                                                          |
|                           |               |                           |              |                                                          |
| 0.30                      | 0.82          | 22.00                     | 18.89        |                                                          |
|                           |               |                           |              |                                                          |
| 1.00                      | 1.46          | 6.00                      | 3.59         |                                                          |
| 2.00                      | 2.02          | 9.50                      | 7.46         |                                                          |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                        | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                               |          | Guaranteed not less than | Found |
|             | ARCHER-DANIELS-MIDLAND CO., Minneapolis; Minn.                |          |                          |       |
| 1348        | Small's 20% Dehydrated Alfalfa Meal                           | 8.94     | 20.00                    | 20.13 |
| 2281        | Archer Quality 34% Protein Linseed Oil Meal                   | 9.75     | 34.00                    | 34.75 |
| 1599        | Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal | 13.11    | 44.00                    | 44.88 |
|             | ATLANTIC PROCESSING CO. Amagansett, N. Y.                     |          |                          |       |
| 2147        | Smith's Life Line Fish Meal                                   | 7.96     | 60.00                    | 60.25 |
|             | THE BEACON MILLING CO. Cayuga, N. Y.                          |          |                          |       |
| 3026        | Beacon Broiler Finisher Medicated                             | 10.17    | 20.00                    | 20.88 |
|             |                                                               |          |                          |       |
| 2481        | Beacon CC Flushing Pellets                                    | 11.42    | 15.00                    | 16.25 |
| 1551        | Beacon Calf Grow                                              | 13.37    | 17.00                    | 18.13 |
| 2986        | Beacon Cape-Roaster Finisher                                  | 11.01    | 20.00                    | 20.50 |
|             |                                                               |          |                          |       |
| 1428        | Beacon Dairy Fitting Pel-ets                                  | 13.44    | 14.00                    | 15.13 |
| 1910        | Beacon Dairy Fitting Ration with Sodium Propionate            | 10.76    | 14.00                    | 15.25 |
| 2480        | Beacon Duck Breeder                                           | 10.97    | 17.00                    | 17.88 |
| 1552        | Beacon Duck Breeder Developer                                 | 12.42    | 14.50                    | 15.63 |
| 1911        | Beacon Duck Grower Finisher                                   | 11.76    | 15.50                    | 15.50 |
| 2804        | Beacon Egg Check A Medicated                                  | 11.86    | 15.00                    | 15.00 |
|             |                                                               |          |                          |       |
| 2079        | Beacon "22" Egg Mash                                          | 10.55    | 22.00                    | 22.63 |
| 2106        | Beacon Goat Ration                                            | 13.08    | 16.00                    | 18.00 |
| 2482        | Beacon Grower All-Mash                                        | 11.10    | 16.00                    | 16.00 |
| 2109        | Beacon Horse Feed                                             | 13.97    | 10.00                    | 10.00 |
| 2834        | Beacon Market Egg All-Mash A Medicated                        | 11.30    | 17.00                    | 17.63 |
|             |                                                               |          |                          |       |
| 2104        | Beacon Medicated Booster Pellets                              | 10.17    | 20.00                    | 21.88 |

~~~~~ indicates deficiencies

## INSPECTION OF 1960

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 1.50                                | 4.09  | 20.00                               | 19.98 |   |
| 0.50                                | 1.29  | 10.00                               | 8.75  |   |
| 0.50                                | 1.82  | 7.00                                | 5.77  |   |
| 5.00                                | 8.46  | 3.0                                 | 0.09  |   |
| 5.00                                | 5.87  | 4.00                                | 2.63  | Nicarbazin:Guar., 0.0125%;<br>found, 0.0167%.<br>Arsanilic acid:Guar., 0.009%;<br>found, 0.0094%. |
| 4.50                                | 9.62  | 5.00                                | 3.90  |   |
| 3.00                                | 3.08  | 9.00                                | 6.32  |   |
| 4.50                                | 5.94  | 4.00                                | 2.94  | Nicarbazin:Guar., 0.0125%;<br>found, 0.0150%.   |
| 3.25                                | 3.97  | 9.00                                | 5.85  | Sodium Propionate:Guar.,<br>2.5%; not determined.   |
| 3.00                                | 3.53  | 9.00                                | 6.87  |   |
| 3.00                                | 3.01  | 7.00                                | 5.52  |   |
| 2.75                                | 3.39  | 7.50                                | 5.42  |   |
| 2.75                                | 4.09  | 6.50                                | 3.84  |   |
| 2.50                                | 3.78  | 6.00                                | 4.08  | Arsanilic acid:Guar., 0.009%;<br>found, 0.0095%.  |
| 3.50                                | 3.89  | 6.00                                | 4.49  |   |
| 3.00                                | 3.03  | 10.00                               | 5.86  |   |
| 3.50                                | 4.24  | 6.00                                | 4.90  |   |
| 3.00                                | 3.23  | 10.00                               | 6.86  |   |
| 3.50                                | 3.55  | 5.00                                | 2.63  | Arsanilic acid:Guar., 0.009%;<br>found, 0.0096%.  |
| 4.00                                | 4.26  | 9.00                                | 7.53  | Chlortetracycline hydrochlo-<br>ride:Guar., 0.10 gm/lb.; not<br>determined.                       |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                    | Manufacturer and brand   | Moisture | Protein<br>(N x 6.25)    |       |
|--|--|----------|--------------------------|-------|
|  |  |          | Guaranteed not less than | Found |
| 2649   | Beacon Medicated Poultry Mix                                   | 11.68    | 20.00                    | 20.75 |
| 1550   | Beacon Milk Check "16" Dairy Ration                            | 13.79    | 16.00                    | 16.88 |
| 2107   | Beacon Milk Check "20" Dairy Ration                            | 12.33    | 20.00                    | 21.13 |
| 1540   | Beacon Milk Check Fitting Ration                               | 13.60    | 14.00                    | 16.25 |
| 2844   | Beacon Poultry Finisher with Dienestrol diacetate & Nicarbazin | 11.42    | 15.00                    | 15.75 |
| 2989   | Beacon Starter-Broiler NCA Medicated                           | 11.23    | 23.00                    | 24.00 |
| 1880   | Beacon Sweet "16" Dairy Ration                                 | 10.80    | 16.00                    | 17.63 |
| 1429   | Beacon "16" Test Cow Ration                                    | 13.74    | 16.00                    | 17.38 |
| 2108   | Beacon "18" Test Cow Ration                                    | 12.81    | 18.00                    | 18.88 |
| 2483   | Beacon Turkey Breeder All-Mash                                 | 10.86    | 20.00                    | 20.63 |
| 1879   | Beacon "22" Turkey & Game Bird Grower                          | 10.28    | 22.00                    | 22.00 |
| 1881   | Beacon "20" Turkey Grower                                      | 10.63    | 20.00                    | 20.00 |
| 1558   | Beacon Turkey & Poultry Fitting                                | 14.46    | 10.00                    | 12.50 |
| 2105   | Be-Co Grower   | 12.19    | 14.00                    | 14.88 |
| 2200   | Be-Co-Lass   | 12.97    | 11.00                    | 11.00 |
| 1430   | Be-Co-Nurse Milk Replacer                                      | 5.42     | 24.00                    | 24.00 |
| THE BERKMAN GRAIN CO.<br>North Franklin, Conn. |  |          |                          |       |
| 2470   | Nibco 18% Dairy Ration   | 12.05    | 18.00                    | 18.00 |
| 2471   | Nibco Fitting Ration   | 12.60    | 14.00                    | 14.13 |
| 2981   | Nibco Five Star Roaster  | 12.50    | 16.00                    | 18.00 |
| 2985   | Nibco Five Star Roaster Crumbles                               | 11.44    | 16.00                    | 18.75 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                      |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                |
| 3.00                     | 3.87  | 5.75                     | 3.50  | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined.                             |
| 3.25                     | 3.84  | 9.00                     | 7.38  |                                                                                                |
| 3.25                     | 3.02  | 9.00                     | 6.95  |                                                                                                |
| 3.00                     | 3.02  | 10.00                    | 8.48  |                                                                                                |
| 4.00                     | 4.51  | 4.50                     | 2.12  | Nicarbazin:Guar., 0.0125%; found, 0.0138%. Dienestrol diacetate:Guar., 0.007%; not determined. |
| 5.00                     | 5.06  | 4.00                     | 2.39  | Nicarbazin:Guar., 0.0125%; found, 0.0140%. Arsanilic acid:Guar., 0.009%; found 0.0095%.        |
| 3.50                     | 4.38  | 8.50                     | 6.49  |                                                                                                |
| 4.00                     | 4.09  | 8.00                     | 6.08  |                                                                                                |
| 4.00                     | 3.70  | 8.50                     | 6.27  |                                                                                                |
| 3.50                     | 5.53  | 5.75                     | 3.44  |                                                                                                |
| 3.00                     | 5.09  | 5.75                     | 2.04  |                                                                                                |
| 3.00                     | 4.59  | 5.50                     | 3.86  |                                                                                                |
| 2.50                     | 3.00  | 7.50                     | 4.50  |                                                                                                |
| 3.00                     | 3.38  | 8.00                     | 5.29  |                                                                                                |
| 2.00                     | 2.96  | 12.00                    | 10.12 |                                                                                                |
| 10.00                    | 9.95  | 0.25                     | 0.28  |                                                                                                |
| 4.00                     | 4.47  | 8.00                     | 7.22  |                                                                                                |
| 4.00                     | 3.51  | 8.00                     | 7.01  |                                                                                                |
| 4.50                     | 4.03  | 3.00                     | 2.42  | Nicarbazin:Guar., 0.010%; found, 0.0130%.                                                      |
| 4.50                     | 5.84  | 3.00                     | 2.84  | Nicarbazin:Guar., 0.010%; found, 0.0135%. Dienestrol diacetate:Guar., 0.0023%; not determined. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                            |          | Guaranteed not less than | Found |
| 3116        | Nibco Five Star Super Starter                              | 11.89    | 25.00                    | 25.00 |
| 2468        | Nibco Five Star Weight Maker Crumbles                      | 11.42    | 22.00                    | 22.00 |
| 3110        | Nibco Five Star Weight Maker                               | 11.40    | 22.00                    | 22.00 |
| 3034        | Nibco Five Star Weight Maker                               | 10.90    | 22.00                    | 22.25 |
| 1955        | Nibco High Energy Laying & Growing Mash                    | 12.10    | 16.00                    | 16.63 |
| 2980        | Nibco Medicated Booster Feed                               | 11.54    | 20.00                    | 20.75 |
| 2725        | Nibco Pullet Starter                                       | 11.27    | 20.00                    | 20.63 |
|             | BLATCHFORD CALF MEAL CO., Waukegan, Ill.                   |          |                          |       |
| 2192        | Blatchford's Calf Meal                                     | 11.05    | 25.00                    | 25.75 |
| 2648        | Blatchford's Calf-Pab Medicated                            | 6.37     | 25.00                    | 26.75 |
|             | THE BLOOMFIELD FARMERS' EXCHANGE INC.<br>Bloomfield, Conn. |          |                          |       |
| 1866        | Bloomfield 16% Dairy Ration                                | 10.21    | 16.00                    | 16.00 |
| 1868        | Bloomfield 16% Dairy Ration                                | 12.51    | 16.00                    | 17.50 |
|             | BROOKLAWN GRAIN & FEED CO., Bridgeport, Conn.              |          |                          |       |
| 1803        | Brooklawn 16% Dairy Ration                                 | 13.76    | 16.00                    | 17.88 |
| 1790        | Brooklawn High Energy Layer                                | 12.67    | 18.00                    | 18.75 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 7.00                     | 8.71  | 2.50                     | 2.09  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0046%. Nicarbazin:Guar., 0.010%; found, 0.0134%.  |
| 6.00                     | 6.61  | 2.50                     | 2.25  | Nicarbazin:Guar., 0.010%; found, 0.0136%. 3-Nitro-4-hydroxyphenylarsonic acid:                                |
| 6.00                     | 6.81  | 2.50                     | 1.99  | Guar., 0.005%; found, 0.0044%.  |
| 6.00                     | 7.01  | 2.50                     | 1.85  | Nicarbazin:Guar., 0.010%; found, 0.0120%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. |
| 3.00                     | 4.99  | 4.00                     | 3.03  | Nicarbazin:Guar., 0.010%; found, 0.0138%. Terramycin hydrochloride:Guar., 200                                 |
| 3.00                     | 5.58  | 4.50                     | 2.55  | grams/ton; not determined Sulfaquinoxaline:Guar., 0.0150%; found, 0.0170%.                                    |
| 3.00                     | 4.94  | 4.00                     | 2.77  |   |
| 2.50                     | 3.23  | 5.00                     | 5.02  |   |
| 3.50                     | 3.29  | 2.00                     | 0.87  | Trimethyl-hexadecyl & octadecyl ammonium stearates: Guar., 0.02%; not determined.                             |
| 3.50                     | 3.76  | 8.00                     | 6.21  |   |
| 3.50                     | 3.28  | 8.00                     | 6.46  |   |
| 4.00                     | 2.88  | 9.00                     | 5.46  |   |
| 4.00                     | 4.23  | 5.00                     | 4.63  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--|----------|--------------------------|-------|
|             |  |          | Guaranteed not less than | Found |
| 1800        | Brooklawn Sweet Mix<br>CAMDEN GRAIN CO.<br>Camden, N. J.   | 13.06    | 16.00                    | 17.13 |
| 1595        | Camden Brand Dried Brewers<br>Grain<br>THE CANADA STARCH CO.,<br>LTD., Montreal, Canada  | 8.56     | 24.00                    | 25.00 |
| 1791        | Corn Gluten Feed(21%)<br>CARGILL, INCORPORATED<br>Minneapolis, Minn.   | 9.02     | 21.00                    | 23.63 |
| 2476        | Cargill 34% Protein Solvent<br>Extracted Linseed Oil Meal  | 13.11    | 34.00                    | 36.13 |
| 1763        | Cargill Inc., 50% Protein Sol.<br>Ext. Dehulled Soybean Oil<br>Meal<br>CENTRAL CONN. CO-OPERA-<br>TIVE FARMERS' ASS'N. INC.<br>Manchester, Conn. | 11.58    | 50.00                    | 50.88 |
| 1780        | Honest Brand Aureomycin Mix<br>200 grams   | 13.21    | 18.00                    | 19.25 |
| 2148        | Honest Brand Complete Breeder<br>Mash  | 12.27    | 16.00                    | 16.75 |
| 1766        | Honest Brand Complete Ration<br>High Energy Growing Mash   | 11.66    | 15.00                    | 15.88 |
| 1778        | Honest Brand Complete Ration<br>High Energy Laying Mash  | 13.10    | 15.00                    | 15.38 |
| 2146        | Honest Brand Nu Weigh Hi<br>Finisher Mash  | 12.20    | 18.00                    | 18.88 |
| 2654        | Honest Brand Nu Weigh-Hi<br>Finisher Mash  | 11.22    | 20.00                    | 21.00 |
| 2718        | Honest Brand Nu Weigh-Hi<br>Starter Mash with SQ   | 11.30    | 20.00                    | 21.13 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                                 |       | Fiber                               |       | Medicants                                            |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                      |
| 3.50                                | 2.74  | 9.00                                | 5.23  |                                                      |
| 6.00                                | 5.76  | 17.00                               | 13.67 |                                                      |
| 2.50                                | 2.99  | 10.00                               | 5.55  |                                                      |
| 0.50                                | 1.09  | 10.00                               | 7.47  |                                                      |
| 0.50                                | 1.43  | 3.00                                | 2.91  |                                                      |
| 3.00                                | 3.09  | 4.00                                | 3.58  |                                                      |
| 4.00                                | 4.61  | 8.00                                | 3.55  |                                                      |
| 3.00                                | 5.09  | 4.00                                | 3.95  |                                                      |
| 3.00                                | 4.13  | 4.00                                | 3.55  |                                                      |
| 2.00                                | 5.54  | 6.50                                | 2.74  |                                                      |
| 6.00                                | 6.04  | 3.00                                | 3.00  |                                                      |
| 3.00                                | 4.07  | 4.00                                | 3.54  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0180%. |

TABLE I. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                       | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                              |          | Guaranteed not less than | Found |
|             | CENTRAL SOYA CO. INC.<br>Ft. Wayne, Ind.                     |          |                          |       |
| 1537        | Central Flaked Soybean Hulls                                 | 12.11    | 9.00                     | 9.63  |
| 1625        | Central 44% Solvent Extracted<br>Soybean Oil Meal            | 11.65    | 44.00                    | 44.00 |
| 2423        | Thrifty Fifty Dehulled Solvent<br>Extracted Soybean Oil Meal | 11.39    | 50.00                    | 50.25 |
|             | CHELSEA MILLING CO.<br>Chelsea, Michigan                     |          |                          |       |
| 1779        | Chelsea Wheat Middlings                                      | 13.31    | 13.00                    | 13.00 |
|             | S. J. CHERRY & SONS, LTD.<br>Preston, Ont., Canada           |          |                          |       |
| 1513        | Cherry's Wheat Bran                                          | 13.65    | 14.00                    | 16.13 |
|             | CITRUS FEED CO.<br>Lakeland, Florida                         |          |                          |       |
| 2086        | Howard's Veri Best Dried<br>Citrus Pulp                      | 8.47     | 6.00                     | 6.00  |
|             | CLYDE MILLING CORP.<br>Clyde, N. Y.                          |          |                          |       |
| 2185        | Clyde Complete Rabbit Pellets                                | 9.88     | 15.00                    | 15.75 |
| 2186        | Clyde Complete Turkey Grower<br>Mash                         | 10.78    | 18.00                    | 21.63 |
| 2181        | Clyde Fitting Ration                                         | 12.62    | 12.00                    | 17.88 |
| 2183        | Clyde Hi-Cal-Re Complete<br>Layer & Grower                   | 10.61    | 16.50                    | 16.88 |
| 1842        | Clyde Horse Feed                                             | 13.25    | 10.00                    | 11.63 |
| 2184        | Clyde Market Egg Mash                                        | 11.06    | 20.00                    | 19.25 |
| 2182        | Clyde Test Cow 18                                            | 12.51    | 18.00                    | 18.38 |
| 2484        | Hominy Feed                                                  | 11.07    | 11.00                    | 11.00 |
| 1835        | Warren's Calf Starter                                        | 13.19    | 18.00                    | 18.38 |
| 1838        | Warren's 16 Dairy Ration                                     | 13.62    | 16.00                    | 18.13 |
| 1833        | Warren's Milk-Maker 15                                       | 11.96    | 15.00                    | 17.13 |
| 2487        | Warren's Test Cow 16 Dairy<br>Ration                         | 11.25    | 16.00                    | 17.25 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants |
|---------------------------|-------|---------------------------|-------|-----------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |           |
| 1.00                      | 2.23  | 38.00                     | 36.49 |           |
| 0.50                      | 1.09  | 7.00                      | 6.65  |           |
| 0.50                      | 0.79  | 3.00                      | 2.67  |           |
| 3.00                      | 3.38  | 6.50                      | 4.65  |           |
| 3.50                      | 4.98  | 11.50                     | 9.05  |           |
| 2.50                      | 3.56  | 11.00                     | 9.87  |           |
| 3.00                      | 4.54  | 12.00                     | 9.99  |           |
| 4.00                      | 4.54  | 5.00                      | 3.80  |           |
| 3.00                      | 3.87  | 8.50                      | 7.15  |           |
| 4.00                      | 4.50  | 4.50                      | 3.75  |           |
| 2.50                      | 3.72  | 10.00                     | 5.84  |           |
| 3.00                      | 3.14  | 6.00                      | 5.01  |           |
| 3.50                      | 3.66  | 8.50                      | 7.13  |           |
| 5.50                      | 6.11  | 6.00                      | 4.09  |           |
| 3.00                      | 3.13  | 8.00                      | 6.34  |           |
| 3.00                      | 3.23  | 11.00                     | 7.89  |           |
| 3.00                      | 3.78  | 8.00                      | 7.47  |           |
| 3.50                      | 3.66  | 8.50                      | 9.46  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | COATSWORTH & COOPER, LTD.<br>Toronto, Canada                            |          |                          |       |
| 1807        | C & C Wheat Bran  | 13.11    | 15.00                    | 15.50 |
|             | COMMERCIAL SOLVENTS<br>CORP., New York, N. Y.                           |          |                          |       |
| 2427        | Corn Distillers Dried Grains<br>with Solubles                           | 5.91     | 26.00                    | 27.75 |
|             | CONNECTICUT BI-PRODUCTS,<br>INC., Columbia, Conn.                       |          |                          |       |
| 2150        | Hydrolyzed Poultry Feathers   | 3.62     | 85.00                    | 91.83 |
| 2151        | Poultry By-Product Meal   | 4.25     | 55.00                    | 62.13 |
|             | CONSOLIDATED BLENDERS,<br>INC., Fremont, Nebr.                          |          |                          |       |
| 2406        | 17% Dehydrated Alfalfa Meal<br>with Animal Fat Merry Mixer<br>Greenules | 9.01     | 17.00                    | 16.13 |
|             | CONSOLIDATED MILLS, INC.<br>Blissfield, Mich.                           |          |                          |       |
| 1802        | Consolidated 17% Alfalfa Meal<br>Dehydrated                             | 8.56     | 17.00                    | 15.13 |
|             | CONSOLIDATED RENDERING<br>CO., Boston, Mass.                            |          |                          |       |
| 1781        | Corenco Feeding Bone Meal   | 5.86     | 10.00                    | 13.13 |
| 1511        | Corenco 47% Meat & Bone Scrap   | 8.06     | 47.00                    | 45.50 |
| 2180        | Corenco 47% Meat & Bone Scrap   | 8.19     | 47.00                    | 47.50 |
|             | CORN PRODUCTS CO.<br>New York, N. Y.                                    |          |                          |       |
| 1600        | Buffalo Brand 21% Protein Corn<br>Gluten Feed                           | 11.35    | 21.00                    | 22.00 |
| 1617        | Diamond Brand 41% Corn<br>Gluten Meal                                   | 10.28    | 41.00                    | 43.75 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Guaran-<br>teed not<br>less<br>than | Fat                | Fiber                               |                      | Medicants |
|-------------------------------------|--------------------|-------------------------------------|----------------------|-----------|
|                                     | Found              | Guaran-<br>teed not<br>more<br>than | Found                |           |
| 3.50                                | 5.12               | 11.50                               | 9.49                 |           |
| 7.00                                | 9.46               | 10.00                               | 5.77                 |           |
| 0.50<br>8.00                        | 4.16<br>15.38      | 1.50<br>3.00                        | 0.39<br>0.95         |           |
| 1.50                                | 2.29               | 27.00                               | 26.74                |           |
| 1.50                                | 2.34               | 27.00                               | <u>28.22</u>         |           |
| --<br>6.00<br>6.00                  | --<br>9.47<br>8.13 | 2.00<br>2.00<br>2.00                | 0.00<br>1.36<br>0.87 |           |
| 1.00                                | 1.77               | 10.00                               | 9.04                 |           |
| 1.00                                | 2.25               | 6.00                                | 4.96                 |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
|             | C. A. COWLES, INC.<br>Plantsville, Conn.                  |          |                          |       |
| 1531        | Blue C Fitting Ration                                     | 14.60    | 14.00                    | 16.63 |
| 2394        | Blue C Growing Mash                                       | 11.15    | 20.00                    | 20.00 |
| 1532        | Blue C Horse Feed with<br>Molasses                        | 15.17    | 10.00                    | 11.00 |
| 1525        | Blue C Laying Mash                                        | 11.79    | 20.00                    | 18.00 |
| 1529        | Blue C Rabbit Pellets                                     | 13.64    | 15.00                    | 13.63 |
| 1530        | Blue C Super 16% Dairy<br>Ration                          | 15.22    | 16.00                    | 16.13 |
| 1533        | Dairy Delight                                             | 14.47    | 16.00                    | 15.38 |
|             | DCA FOOD INDUSTRIES, INC.<br>Ellicott City, Md.           |          |                          |       |
| 2425        | Domaco Pure Winter Wheat<br>Bran                          | 11.57    | 13.50                    | 14.88 |
| 1512        | Domaco Wheat Middlings                                    | 12.38    | 14.50                    | 13.13 |
|             | DAWE'S LABORATORIES, INC.<br>Chicago, Ill.                |          |                          |       |
| 2178        | Dawe's Fermentation Flavonne<br>No. 1                     | 9.01     | 30.00                    | 30.00 |
|             | DAWNWOOD FARMS<br>Amenia, N. Y.                           |          |                          |       |
| 2653        | Dawnwood Farms Caf-Star                                   | 7.14     | 26.00                    | 27.00 |
|             | DELAWARE MILLING CO.,<br>INC., Deposit, N. Y.             |          |                          |       |
| 1869        | Delaware Egg Mash                                         | 11.65    | 20.00                    | 20.25 |
| 1844        | Delaware Rabbit Pellets                                   | 9.80     | 16.00                    | 17.38 |
| 1873        | Delaware Sweet Hominy                                     | 11.76    | 8.00                     | 11.00 |
| 2599        | Eastern Conn. Grain Associates<br>Chick Starter Medicated | 11.50    | 20.00                    | 20.00 |
| 1954        | Eastern Conn. Grain Associates<br>Growing Mash            | 12.19    | 15.00                    | 17.25 |
| 1953        | Eastern Conn. Grain Associates<br>Laying Mash             | 12.34    | 15.00                    | 15.50 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants  |
|---------------------------|-------|---------------------------|-------|--|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |  |
|                           |       |                           |       |  |
| 3.00                      | 4.19  | 9.00                      | 6.45  |  |
| 3.00                      | 3.57  | 5.00                      | 3.96  |  |
| 3.00                      | 3.48  | 10.00                     | 4.97  |  |
| 3.00                      | 4.44  | 5.00                      | 4.65  |  |
| 3.00                      | 3.33  | 15.00                     | 9.49  |  |
| 3.50                      | 3.88  | 7.50                      | 6.87  |  |
| 3.50                      | 3.54  | 7.50                      | 6.76  |  |
|                           |       |                           |       |  |
| 3.25                      | 3.25  | 9.50                      | 8.52  |  |
| 4.25                      | 4.03  | 7.50                      | 7.04  |  |
|                           |       |                           |       |  |
| 2.00                      | 4.88  | 9.50                      | 7.14  |  |
|                           |       |                           |       |  |
| 3.00                      | 3.44  | 2.50                      | 1.46  |  |
|                           |       |                           |       |  |
| 3.00                      | 3.53  | 6.00                      | 5.50  |  |
| 2.50                      | 3.95  | 17.00                     | 11.34 |  |
| 4.00                      | 5.72  | 5.50                      | 4.10  |  |
| 3.00                      | 3.23  | 4.50                      | 3.60  | Arsenosobenzene:Guar.,<br>0.002%; found, 0.00190%. |
| 3.50                      | 4.03  | 4.50                      | 4.06  |  |
| 3.50                      | 4.24  | 3.80                      | 3.16  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Moisture | Protein<br>(Nx 6.25)     |              |
|-------------|--|----------|--------------------------|--------------|
|             |  |          | Guaranteed not less than | Found        |
| 2485        | Warren's C & C Complete Growing Mash                           | 10.53    | 15.00                    | 17.25        |
| 1837        | Warren's C & C Complete Laying Mash                            | 12.59    | 15.00                    | 15.75        |
| 2486        | Warren's C & C Laying Mash                                     | 10.80    | 20.00                    | 20.38        |
| 1834        | Warren's C & C Laying Mash                                     | 10.51    | 20.00                    | 20.63        |
| 2764        | Warren's Chick Starter   | 10.30    | 20.00                    | 20.00        |
| 1843        | Warren's Fitting Ration  | 12.24    | 14.00                    | 15.13        |
| 1840        | Warren's 16% Test Ration                                       | 13.06    | 16.00                    | 16.00        |
| 2489        | Warren's 20% Test Ration                                       | 12.29    | 20.00                    | <u>17.13</u> |
|             | DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio               |          |                          |              |
| 1765        | 44% Protein Soybean Oil Meal                                   | 11.98    | 44.00                    | 45.63        |
|             | DERBY FEED STORE Derby, Conn.                                  |          |                          |              |
| 1594        | Litsky Hi-Energy All Mash Grower                               | 12.86    | 16.00                    | 17.50        |
| 1593        | Litsky Hi-Energy All Mash Layer                                | 13.22    | 16.00                    | 16.50        |
| 2473        | Litsky Hi-Energy Layer   | 11.27    | 20.00                    | 20.00        |
| 2716        | Litsky Hi-Energy Starter Broiler Medicated                     | 11.47    | 20.00                    | 21.13        |
|             | E. F. DREW & CO., INC. New York, N. Y.                         |          |                          |              |
| 2225        | NRG 50   | 0.95     | --                       | --           |
|             | EASTERN STATES FARMERS' EXCHANGE, INC. West Springfield, Mass. |          |                          |              |
| 2260        | Alfapels   | 8.29     | 15.00                    | 15.00        |
| 2811        | Breeder Mash Medicated   | 11.96    | 22.00                    | 23.00        |
| 3025        | Broiler Finisher Medicated                                     | 10.39    | 22.00                    | 23.75        |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants                                                                                  |
|---------------------------|-------|---------------------------|-------|--------------------------------------------------------------------------------------------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |                                                                                            |
| 3.00                      | 4.73  | 6.00                      | 1.36  |                                                                                            |
| 3.00                      | 3.79  | 6.00                      | 5.69  |                                                                                            |
| 3.00                      | 4.27  | 7.50                      | 2.92  |                                                                                            |
| 3.00                      | 4.39  | 7.50                      | 7.42  | Chlortetracycline hydrochloride: Guar., 200 grams/ton; not determined.                     |
| 3.00                      | 4.01  | 5.50                      | 5.19  | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0130%.                                          |
| 3.00                      | 3.94  | 11.00                     | 4.39  |                                                                                            |
| 3.50                      | 3.30  | 10.00                     | 7.99  |                                                                                            |
| 3.50                      | 4.14  | 10.00                     | 7.42  |                                                                                            |
| 0.50                      | 1.38  | 7.00                      | 6.60  |                                                                                            |
| 3.50                      | 4.38  | 4.00                      | 4.13  |                                                                                            |
| 3.50                      | 4.22  | 4.00                      | 4.05  |                                                                                            |
| 3.25                      | 3.79  | 4.50                      | 4.66  |                                                                                            |
| 3.50                      | 3.81  | 4.00                      | 3.65  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0180%.                                          |
| 50.00                     | 98.65 | --                        | --    |                                                                                            |
| 1.50                      | 2.79  | 30.00                     | 26.50 |                                                                                            |
| 4.00                      | 4.19  | 4.50                      | 3.18  | Arsanilic acid: Guar., 0.0132%; found, 0.0128%.                                            |
| 8.00                      | 7.93  | 4.00                      | 2.56  | Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid: Guar., 0.0099; found, 0.0118%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------|----------|--------------------------|-------|
|             |                           |          | Guaranteed not less than | Found |
| 3024        | Broiler Starter Medicated | 10.15    | 24.00                    | 25.63 |
| 1724        | Calf Starter              | 14.50    | 18.00                    | 18.00 |
| 2813        | Cashmaker Medicated       | 11.44    | 16.00                    | 17.38 |
| 2768        | Cashmaker WM Medicated    | 10.80    | 16.00                    | 17.63 |
| 1925        | Champion                  | 14.12    | 14.00                    | 14.00 |
| 2806        | Choicemaker Medicated     | 12.36    | 16.00                    | 17.25 |
| 1541        | Class Leader              | 13.51    | 14.00                    | 16.38 |
| 1788        | Dairmore                  | 14.00    | 16.00                    | 17.50 |
| 1926        | Fulpail                   | 12.48    | 20.00                    | 21.38 |
| 2814        | Goalmaker Medicated       | 10.77    | 16.00                    | 17.50 |
| 2805        | Matchmaker Medicated      | 11.38    | 22.00                    | 22.88 |
| 2456        | Medicated Defender        | 10.20    | 20.00                    | 21.50 |
| 2982        | Medicated Minuteman       | 11.01    | 24.00                    | 25.13 |
| 2720        | Medicated Minuteman SQ    | 10.86    | 24.00                    | 25.13 |
| 687         | Medicated Sentinel        | 13.62    | 20.00                    | 20.75 |
| 1789        | Milkerpels                | 13.62    | 16.00                    | 17.38 |
| 1968        | Milkerpels 20             | 10.36    | 20.00                    | 20.38 |
| 1970        | Milkmore                  | 11.86    | 16.00                    | 18.13 |
| 1989        | Milksaver                 | 7.62     | 24.00                    | 24.75 |
| 2598        | Pacemaker Medicated       | 10.97    | 20.00                    | 21.25 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 5.00                     | 6.39  | 4.00                     | 2.90  | Nicarbazin:Guar., 0.0125%; found, 0.0137%. Arsanilic acid:Guar., 0.0099%; found, 0.0095%.   |
| 3.00                     | 3.38  | 6.00                     | 4.37  | Arsanilic acid:Guar., 0.0099%; found, 0.0090%.  |
| 4.00                     | 4.24  | 3.50                     | 2.84  | Sulfaquinoxaline:Guar., 0.0125%; found, 0.0140%.  |
| 4.00                     | 5.44  | 3.50                     | 3.50  | Arsanilic acid:Guar., 0.0099%; found, 0.011%.   |
| 2.50                     | 3.02  | 7.00                     | 5.14  | Arsanilic acid:Guar., 0.0099%; found, 0.0095%.  |
| 3.50                     | 4.68  | 5.00                     | 3.80  | 3.00      3.96      8.50      7.06  |
| 3.00                     | 3.89  | 10.00                    | 7.53  | 2.50      4.69      8.50      6.81  |
| 4.00                     | 4.26  | 3.50                     | 2.44  | 4.00      4.16      4.50      3.08  |
| 4.00                     | 4.31  | 4.50                     | 3.24  | 4.00      4.31      4.50      3.24  |
| 5.00                     | 5.06  | 4.00                     | 2.66  | Furazolidone:Guar., 0.022%; found, 0.0211%.   |
| 5.00                     | 5.36  | 4.00                     | 1.66  | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined. Nicarbazin:Guar., 0.0125%; found, 0.0144%.                         |
| 4.00                     | 4.59  | 4.00                     | 2.08  | Sulfaquinoxaline:Guar., 0.05%; found, 0.0465%.  |
| 3.00                     | 4.66  | 10.00                    | 7.54  | Chlortetracycline hydrochloride:Guar., 1 gm/lb.; not determined.  |
| 3.00                     | 4.60  | 10.00                    | 9.27  |   |
| 3.00                     | 4.06  | 8.50                     | 7.39  |   |
| 5.00                     | 4.98  | 1.50                     | 0.45  |   |
| 4.00                     | 4.81  | 4.00                     | 2.81  | Arsanilic acid:Guar., 0.0099%; found, 0.0100%. Bithionol: Guar., 0.05%; found, 0.044%. Methiotriazamine:Guar., 0.01%; not determined. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand      | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------|----------|--------------------------|-------|
|             |                             |          | Guaranteed not less than | Found |
| 2833        | Pel-22 Medicated            | 10.61    | 22.00                    | 23.38 |
| 2831        | Pel-Grow Medicated          | 11.52    | 14.00                    | 15.88 |
| 2816        | Pel-Lay                     | 10.86    | 16.00                    | 17.38 |
| 770         | Pork Builder                | 14.70    | 14.00                    | 14.50 |
| 2812        | Pork Gainer Medicated       | 11.67    | 16.00                    | 17.25 |
| 2832        | Pork Gainer Medicated       | 11.38    | 16.00                    | 17.00 |
| 171         | Pork Primer Medicated       | 10.39    | 18.00                    | 19.75 |
| 173         | Pork Primer Medicated       | 10.29    | 18.00                    | 18.00 |
| 2838        | Pork Primer Medicated       | 10.13    | 18.00                    | 19.50 |
| 1969        | Protek A                    | 10.89    | 16.00                    | 17.75 |
| 2458        | Protek F Medicated          | 11.25    | 16.00                    | 17.38 |
| 1759        | Rabbetts                    | 10.86    | 18.00                    | 18.38 |
| 1758        | Supmix                      | 12.12    | 36.00                    | 37.50 |
| 2087        | Sweepstakes                 | 13.73    | 16.00                    | 16.13 |
| 1725        | Tastibulk                   | 15.21    | 9.00                     | 10.50 |
| 1726        | Thriftmaker                 | 12.59    | 15.00                    | 16.00 |
| 1971        | Trim-Maker                  | 10.62    | 15.00                    | 16.75 |
| 2089        | Turkey Breeder              | 10.70    | 16.00                    | 18.50 |
| 2259        | Turkey Finisher             | 12.09    | 16.00                    | 16.63 |
| 2447        | Turkey Finisher C Medicated | 11.35    | 16.00                    | 17.88 |
| 2261        | Turkey Grower               | 11.01    | 20.00                    | 20.00 |
| 2446        | Turkey Grower C Medicated   | 11.06    | 20.00                    | 21.50 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Guaran-<br>teed not<br>less<br>than | Fat   | Fiber                               |       | Medicants                                                                                         |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------|
|                                     | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                   |
| 2.50                                | 3.66  | 5.00                                | 3.83  | Arsanilic acid:Guar., 0.0132%; found, 0.0133%.                                                    |
| 3.50                                | 3.58  | 5.00                                | 3.53  | Arsanilic acid:Guar., 0.0099%; found, 0.0095%.                                                    |
| 3.00                                | 4.21  | 4.50                                | 3.42  | Arsanilic acid:Guar., 0.0099%; found, 0.0112%.                                                    |
| 3.00                                | 3.52  | 3.50                                | 2.90  |                                                                                                   |
| 5.00                                | 6.29  | 4.00                                | 2.83  | Arsanilic acid:Guar., 0.0099%; found, 0.0115%. Hygromycin B: Guar., 0.006 gm/lb.; not determined. |
| 5.00                                | 5.36  | 4.00                                | 2.45  | Hygromycin B: Guar., 0.066 gm/lb.; not determined.                                                |
|                                     |       |                                     |       | Arsanilic acid:Guar., 0.0099%; found, 0.0111%.                                                    |
| 4.50                                | 6.76  | 4.50                                | 3.17  | Arsanilic acid:Guar., 0.0099%; found, 0.0108%.                                                    |
| 4.50                                | 6.03  | 4.50                                | 3.20  | Arsanilic acid:Guar., 0.0099%; found, 0.0128%.                                                    |
| 4.50                                | 6.08  | 4.00                                | 2.91  | Arsanilic acid:Guar., 0.0099%; found, 0.0096%.                                                    |
| 3.50                                | 4.39  | 3.50                                | 2.39  |                                                                                                   |
| 4.00                                | 4.11  | 3.50                                | 2.54  | Furazolidone:Guar., 0.00275%; found, <u>0.00703%</u> .                                            |
| 2.00                                | 3.99  | 16.00                               | 12.75 |                                                                                                   |
| 1.50                                | 3.22  | 8.00                                | 6.38  |                                                                                                   |
| 3.00                                | 3.73  | 8.00                                | 5.63  |                                                                                                   |
| 2.00                                | 2.89  | 11.00                               | 9.03  |                                                                                                   |
| 3.50                                | 4.70  | 5.00                                | 2.64  |                                                                                                   |
| 3.50                                | 4.68  | 11.00                               | 8.40  |                                                                                                   |
| 3.00                                | 3.88  | 4.00                                | 3.06  |                                                                                                   |
| 3.00                                | 4.70  | 4.00                                | 3.24  |                                                                                                   |
| 3.00                                | 4.12  | 4.00                                | 3.39  | P-Ureidobenzeneearsonic acid: Guar., 0.0375%; found, 0.0349%.                                     |
| 3.00                                | 4.34  | 4.50                                | 3.43  |                                                                                                   |
| 3.00                                | 3.74  | 4.50                                | 3.50  | P-Ureidobenzeneearsonic acid: Guar., 0.0375%; found, 0.0336%.                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------|----------|--------------------------|-------|
|             |                                            |          | Guaranteed not less than | Found |
|             | ELMORE MILLING CO., INC.<br>Oneonta, N. Y. |          |                          |       |
| 1336        | Elmore Calf Grain Ration                   | 15.66    | 13.00                    | 14.63 |
| 2987        | Elmore Chixsaver (1N)                      | 10.61    | 20.00                    | 20.13 |
| 2770        | Elmore Chixsaver (IS)                      | 11.49    | 16.00                    | 16.00 |
|             |                                            |          |                          |       |
| 1832        | Elmore Complete Calf Milk Replacer         | 10.19    | 25.00                    | 26.75 |
| 2110        | Elmore Complete Growing Mash               | 11.46    | 16.00                    | 16.75 |
| 2761        | Elmore Complete Growing Ration (IS)        | 10.99    | 16.00                    | 18.38 |
| 1919        | Elmore Complete Laying Mash                | 12.05    | 16.00                    | 18.75 |
| 769         | Elmore Complete Market Egg Ration (1A)     | 13.13    | 16.00                    | 17.75 |
|             |                                            |          |                          |       |
| 175         | Elmore Complete Turkey Growing Mash        | 11.26    | 17.00                    | 17.38 |
| 1921        | Elmore Dry & Freshening                    | 14.21    | 12.00                    | 15.75 |
| 1334        | Elmore Fitting Ration 14%                  | 14.89    | 14.00                    | 15.25 |
| 1831        | Elmore Flaked Pelleted Calf Starter        | 12.38    | 18.00                    | 18.00 |
| 1321        | Elmore Game Bird Breeder Mash              | 15.09    | 20.00                    | 17.88 |
| 1923        | Elmore Game Bird Grower                    | 11.81    | 20.00                    | 20.00 |
| 2724        | Elmore Game Bird Growing Medicated (IS)    | 10.49    | 20.00                    | 18.75 |
|             |                                            |          |                          |       |
| 2590        | Elmore Game Bird Starter                   | 10.65    | 28.00                    | 26.00 |
|             |                                            |          |                          |       |
| 1830        | Elmore Grand Champion Ration               | 13.44    | 15.00                    | 15.00 |
| 1828        | Elmore Maximilk Ration                     | 12.46    | 16.00                    | 18.38 |
| 1335        | Elmore Milk Grains "Sixteen"               | 14.51    | 16.00                    | 16.63 |
| 2111        | Elmore Milk Grains "Twenty"                | 11.63    | 20.00                    | 21.00 |
| 1829        | Elmore Pacemaker 16% Dairy Ration          | 11.87    | 16.00                    | 19.13 |
| 2570        | Elmore Picker-Upper Mash (2A)              | 10.46    | 20.00                    | 24.25 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants  |
|---------------------------|-------|---------------------------|-------|--|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |  |
| 2.50                      | 3.34  | 9.00                      | 5.97  | Nicarbazin:Guar., 0.008%; found, 0.0125%.  |
| 3.00                      | 3.09  | 5.00                      | 4.36  | Sulfaquinoxaline:Guar., 0.0150%; found, 0.0147%.   |
| 3.00                      | 3.26  | 5.00                      | 4.85  | Arsanilic acid:Guar., 0.01%; found, 0.0140%.   |
| 4.00                      | 4.69  | 2.00                      | 1.73  |  |
| 3.00                      | 3.35  | 6.00                      | 5.57  |  |
| 3.00                      | 4.06  | 6.00                      | 5.00  | Sulfaquinoxaline:Guar., 0.0150%; found, 0.0040%.   |
| 3.00                      | 3.84  | 6.00                      | 5.03  |  |
| 4.00                      | 4.19  | 5.00                      | 4.52  | Arsanilic acid:Guar., 0.01%; found, 0.013%.  |
| 3.50                      | 3.98  | 6.00                      | 5.01  |  |
| 3.50                      | 3.63  | 9.00                      | 6.70  |  |
| 3.50                      | 4.25  | 8.00                      | 6.52  |  |
| 2.50                      | 3.13  | 8.00                      | 5.50  |  |
| 4.00                      | 4.25  | 8.00                      | 4.66  |  |
| 3.00                      | 3.00  | 10.00                     | 6.00  |  |
| 3.00                      | 3.96  | 10.00                     | 6.50  | Sulfaquinoxaline:Guar., 0.02%; found 0.0090%.  |
| 3.00                      | 3.56  | 6.00                      | 4.52  | Furazolidone:Guar., 0.011%; found, 0.0067%.  |
| 3.50                      | 2.93  | 9.00                      | 6.14  |  |
| 3.00                      | 3.70  | 11.00                     | 8.61  |  |
| 3.50                      | 3.37  | 8.50                      | 7.17  |  |
| 3.50                      | 3.45  | 8.50                      | 7.22  |  |
| 3.00                      | 3.89  | 10.00                     | 7.03  | Bacitracin:Guar., 100 gr/ton; not determined. Chlortetra-cycline hydrochloride:Guar., 50 gr/ton; not determined. |
| 3.00                      | 3.91  | 6.00                      | 4.41  | Terramycin hydrochloride: Guar., 50 gr/ton; not determined.  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                               | Manufacturer and brand             | Moisture | Protein<br>(N x 6.25)    |       |
|---|------------------------------------|----------|--------------------------|-------|
|   |                                    |          | Guaranteed not less than | Found |
| 1922                                      | Elmore Rumin Stimulant 16%         | 11.58    | 16.00                    | 17.25 |
| 1920                                      | Elmore Stock Feed                  | 14.89    | 9.00                     | 10.63 |
| 2978                                      | Elmore Super Broiler Ration (1N)   | 11.89    | 22.00                    | 22.00 |
| 2490                                      | Elmore Super Silage                | 11.89    | 10.00                    | 11.00 |
| 1333                                      | Elmore Test Ration 16%             | 14.58    | 16.00                    | 16.38 |
| 1332                                      | Elmore Test Ration 18%             | 14.36    | 18.00                    | 19.13 |
| 176                                       | Elmore Turkey Finisher             | 10.70    | 16.00                    | 17.38 |
| 174                                       | Elmore Turkey Growing Mash         | 10.64    | 20.00                    | 16.00 |
| 2769                                      | Elmore Turkey Starting Mash        | 11.29    | 28.00                    | 27.00 |
| JOHN W. ESHELMAN & SONS<br>Lancaster, Pa. |                                    |          |                          |       |
| 1897                                      | Lancaster 16 Dairy Feed            | 10.57    | 16.00                    | 17.13 |
| 2526                                      | Lancaster 20 Dairy Feed            | 11.72    | 20.00                    | 23.50 |
| 1850                                      | Lancaster Scratch Grains           | 13.20    | 9.00                     | 9.00  |
| 1906                                      | Pennsy Complete Laying Ration      | 10.76    | 16.00                    | 16.63 |
| 2524                                      | Red Rose Broiler Finisher          | 10.91    | 18.50                    | 19.75 |
| 1991                                      | Red Rose Calf Grower               | 11.71    | 14.00                    | 17.25 |
| 2522                                      | Red Rose Calf Starter              | 12.61    | 18.00                    | 18.25 |
| 1898                                      | Red Rose Chick Grains              | 13.09    | 9.00                     | 9.75  |
| 1904                                      | Red Rose Complete Game Bird Grower | 10.50    | 20.00                    | 20.25 |
| 1731                                      | Red Rose Complete Growing Ration   | 12.37    | 16.00                    | 17.50 |
| 1896                                      | Red Rose Complete Laying Mash      | 11.04    | 16.00                    | 16.63 |
| 1416                                      | Red Rose 16 Dairy Feed             | 11.91    | 16.00*                   | 17.75 |
| 1902                                      | Red Rose 18 Dairy Feed             | 10.81    | 18.00                    | 20.63 |
| 1903                                      | Red Rose 20 Dairy Feed             | 11.01    | 20.00                    | 21.25 |
| 2556                                      | Red Rose Fitting Ration            | 13.04    | 12.00                    | 13.50 |
| 2521                                      | Red Rose Goat Ration               | 12.40    | 15.00                    | 16.38 |
| 2523                                      | Red Rose Growing Mash              | 12.18    | 20.00                    | 21.75 |
| 1992                                      | Red Rose Horse Feed                | 12.97    | 9.00                     | 9.00  |
| 1907                                      | Red Rose Intermediate Chick Grains | 13.91    | 9.00                     | 9.63  |
| 1727                                      | Red Rose Laying Mash               | 12.56    | 20.00                    | 20.00 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                                 |       | Fiber                               |       | Medicants                                                                                          |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than |       |                                                                                                    |
| 3.50                                | 3.51  | 8.50                                | 6.17  |                                                                                                    |
| 3.00                                | 1.99  | 11.00                               | 4.99  |                                                                                                    |
| 4.50                                | 5.08  | 4.00                                | 2.94  | Nicarbazin:Guar., 0.008%;<br>found, 0.0056%.                                                       |
| 2.00                                | 3.64  | 18.00                               | 18.00 |                                                                                                    |
| 4.00                                | 4.24  | 9.00                                | 6.38  |                                                                                                    |
| 4.00                                | 5.81  | 9.00                                | 6.57  |                                                                                                    |
| 4.00                                | 4.33  | 6.00                                | 4.38  |                                                                                                    |
| 3.50                                | 3.41  | 8.00                                | 5.97  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found,<br>0.0125%.                                    |
| 3.50                                | 3.84  | 5.00                                | 4.26  | Sulfquinuoxaline:Guar., 0.02%;<br>found, 0.0108%. Arsanilic<br>acid:Guar., 0.01%; found,<br>0.01%. |
| 2.50                                | 4.13  | 13.00                               | 12.00 |                                                                                                    |
| 2.50                                | 3.24  | 12.50                               | 11.17 |                                                                                                    |
| 2.00                                | 2.99  | 4.00                                | 2.45  |                                                                                                    |
| 3.00                                | 3.79  | 7.00                                | 5.38  |                                                                                                    |
| 5.50                                | 5.53  | 3.50                                | 3.15  |                                                                                                    |
| 3.00                                | 4.30  | 8.50                                | 6.19  |                                                                                                    |
| 3.00                                | 3.06  | 8.00                                | 5.62  |                                                                                                    |
| 2.00                                | 3.64  | 3.00                                | 1.79  |                                                                                                    |
| 4.00                                | 5.39  | 5.50                                | 4.51  |                                                                                                    |
| 4.00                                | 4.89  | 6.00                                | 4.17  |                                                                                                    |
| 4.00                                | 4.73  | 5.00                                | 4.32  |                                                                                                    |
| 3.50                                | 4.14  | 9.50                                | 8.00  |                                                                                                    |
| 3.50                                | 4.09  | 9.50                                | 7.40  |                                                                                                    |
| 3.00                                | 3.27  | 9.50                                | 7.45  |                                                                                                    |
| 3.50                                | 3.83  | 8.50                                | 6.59  |                                                                                                    |
| 3.00                                | 3.48  | 9.00                                | 5.66  |                                                                                                    |
| 4.00                                | 3.31  | 7.00                                | 4.54  |                                                                                                    |
| 3.00                                | 3.97  | 10.00                               | 3.22  |                                                                                                    |
| 2.00                                | 2.66  | 3.00                                | 1.34  |                                                                                                    |
| 4.00                                | 4.09  | 5.50                                | 4.79  |                                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                          | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------------|----------|--------------------------|-------|
|             |                                                 |          | Guaranteed not less than | Found |
| 1732        | Red Rose Medicated T-C Feed                     | 11.69    | 25.00                    | 25.13 |
| 1908        | Red Rose Milk Replacer                          | 7.54     | 22.00                    | 24.38 |
| 1424        | Red Rose Pigeon Feed                            | 16.34    | 12.00                    | 13.75 |
| 1905        | Red Rose Porkmaker                              | 11.44    | 14.00                    | 15.00 |
| 1990        | Red Rose Rabbit Pellets                         | 10.67    | 18.00                    | 18.63 |
| 2717        | Red Rose Rabbit Pellets                         | 10.21    | 18.00                    | 20.38 |
| 1415        | Red Rose Scratch Grains                         | 13.99    | 9.00                     | 10.38 |
| 2520        | Red Rose Starter & Grower                       | 11.41    | 20.00                    | 20.00 |
| 1901        | Red Rose 14 Test Cow Feed                       | 11.46    | 14.00                    | 15.00 |
| 1909        | S-O-S                                           | 11.38    | 11.00                    | 14.00 |
|             | EVANS MILLING CO. INC.<br>Indianapolis, Indiana |          |                          |       |
| 1918        | Emco Hominy Feed                                | 12.72    | 10.00                    | 10.94 |
|             | FARM BUREAU ASSOCIATION<br>Waltham, Mass.       |          |                          |       |
| 2819        | Farm Bureau Complete Grower Layer Mash          | 10.57    | 16.00                    | 17.88 |
| 1972        | Farm Bureau Dairy 16%                           | 11.27    | 16.00                    | 17.25 |
| 1973        | Farm Bureau 14% Milking Ration                  | 10.71    | 14.00                    | 16.00 |
| 2304        | Farm Bureau Milk Replacer                       | 7.01     | 24.00                    | 26.38 |
| 1762        | Farm Bureau Rabbit Food Pellets                 | 11.60    | 18.00                    | 18.00 |
|             | FARMERS FEED CO.<br>Brooklyn, N. Y.             |          |                          |       |
| 1691        | "Bull Brand" Brewers Dried Grains               | 10.37    | 26.00                    | 26.00 |
| 2517        | "Bull Brand" Brewers Dried Grains               | 8.66     | 26.00                    | 27.75 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants  |
|---------------------------|-------|---------------------------|-------|--|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |  |
| 4.00                      | 4.97  | 5.00                      | 4.17  | Chlortetracycline hydrochloride: Guar., 0.025 gm/lb.; not determined. Terramycin hydrochloride: Guar., 0.025 gm/lb.; not determined. |
| 1.00                      | 1.23  | 1.00                      | 0.45  |  |
| 3.00                      | 2.60  | 4.00                      | 2.92  |  |
| 3.50                      | 4.35  | 7.00                      | 6.22  |  |
| 3.00                      | 4.29  | 10.00                     | 8.05  |  |
| 3.00                      | 4.19  | 10.00                     | 4.13  | Sulfaquinoxaline: Guar., 0.025%; found, 0.0224%.   |
| 2.00                      | 3.00  | 4.00                      | 2.39  |  |
| 4.00                      | 4.01  | 6.00                      | 4.74  |  |
| 3.50                      | 4.15  | 8.50                      | 6.59  |  |
| 2.00                      | 3.04  | 16.00                     | 13.86 |  |
| 5.00                      | 5.23  | 7.00                      | 4.22  |  |
| 4.00                      | 3.96  | 5.00                      | 3.03  | Arsanilic acid: Guar., 0.01%; found, 0.0107%.  |
| 3.50                      | 4.19  | 8.00                      | 7.40  |  |
| 3.50                      | 4.58  | 8.00                      | 7.11  |  |
| 2.00                      | 2.79  | 1.50                      | 1.77  |  |
| 2.50                      | 3.66  | 18.00                     | 12.35 |  |
| 6.00                      | 7.59  | 17.00                     | 11.68 |  |
| 6.00                      | 6.49  | 17.00                     | 10.67 |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J.               |          |                          |       |
| 1810        | Smith's Lifeline Fish Meal                                      | 9.16     | 60.00                    | 65.50 |
|             | FLORIDA CITRUS CANNERS COOPERATIVE Lake Wales, Fla.             |          |                          |       |
| 1694        | Lake Wales Brand Citrus Pulp                                    | 13.07    | 6.00                     | 6.00  |
|             | FREMONT ALFALFA MILLS, INC., Fremont, Ohio                      |          |                          |       |
| 1538        | Riverbottom Dehydrated 17% Alfalfa Meal                         | 9.81     | 17.00                    | 17.00 |
|             | GENERAL FOODS CORP. Kankakee, Ill.                              |          |                          |       |
| 1867        | Burt's Hominy Feed  | 11.48    | 9.00                     | 11.38 |
|             | GENERAL MILLS, INC. Minneapolis, Minn.                          |          |                          |       |
| 2286        | Ben Hur Wheat Bran  | 11.72    | 14.00                    | 15.25 |
| 1515        | Purity Oat Mill By-Product                                      | 9.49     | 3.50                     | 2.63  |
| 1327        | Washburn's Gold Medal Adrian Wheat Red Dog                      | 14.97    | 16.00                    | 17.25 |
| 2235        | Washburn's Gold Medal Wheat Bran & Ground Wheat Screenings      | 11.86    | 15.00                    | 16.50 |
| 2238        | Washburn's Gold Medal Wheat Middlings & Ground Wheat Screenings | 11.89    | 15.00                    | 17.75 |
| 2647        | Larro Medicated Sure Milk Keto-Kurb                             | 9.56     | 16.00                    | 16.63 |
| 2391        | Larro Sure Beef 12  | 9.77     | 12.00                    | 11.74 |
| 2596        | Larro Sure Broiler Finisher Medicated                           | 10.37    | 21.00                    | 21.88 |
| 2392        | Larro Sure Calf   | 11.26    | 20.00                    | 21.50 |
| 2595        | Larro Sure Grow Complete "H-E" (.0083 ZOL) Medicated            | 11.16    | 15.00                    | 18.50 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                       |
|--------------------------|-------|--------------------------|-------|-------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                 |
| 5.00                     | 8.09  | 3.00                     | 0.08  |                                                 |
| 2.00                     | 2.20  | 16.00                    | 7.81  |                                                 |
| 1.50                     | 2.79  | 27.00                    | 25.45 |                                                 |
| 5.00                     | 5.98  | 6.00                     | 4.29  |                                                 |
| 2.50                     | 3.98  | 12.00                    | 9.10  |                                                 |
| 1.00                     | 0.85  | 30.00                    | 30.00 |                                                 |
| 3.50                     | 3.77  | 4.00                     | 2.37  |                                                 |
| 3.00                     | 4.21  | 12.00                    | 8.47  |                                                 |
| 3.50                     | 4.76  | 9.50                     | 6.17  |                                                 |
| 2.50                     | 2.56  | 15.00                    | 11.03 | Sodium Propionate: Guar., 2.5%; not determined. |
| 1.50                     | 2.34  | 17.00                    | 13.63 |                                                 |
| 6.00                     | 6.31  | 3.00                     | 2.42  | Zoalene: Guar., 0.0083%; found, 0.0090%.        |
| 2.50                     | 3.26  | 9.00                     | 6.75  |                                                 |
| 3.50                     | 5.14  | 5.50                     | 2.96  | Zoalene: Guar., 0.0083%; found, 0.0081%.        |

TABLE I. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                          | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------------|----------|--------------------------|-------|
|             |                                                 |          | Guaranteed not less than | Found |
| 2310        | Larro SureLay "H-E"                             | 11.57    | 20.00                    | 21.00 |
| 2309        | Larro SureLay Complete "H-E"                    | 9.31     | 16.00                    | 18.22 |
| 1535        | Larro SureMilk 16                               | 13.34    | 16.00                    | 17.38 |
| 2393        | Larro SureRaise Medicated (CHL)                 | 5.47     | 23.00                    | 25.31 |
| 1534        | Larro SureTasty 16 Pellets                      | 11.50    | 16.00                    | 17.50 |
| 2311        | Larro SureTasty 20 Pellets                      | 9.30     | 20.00                    | 22.26 |
| 2448        | Larro SureTurk (CBS) Medicated                  | 9.12     | 27.00                    | 28.85 |
|             | GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass. |          |                          |       |
| 1621        | Globpro Brand 60% Protein Fish Meal             | 7.52     | 60.00                    | 62.38 |
|             | GORTON'S of GLOUCESTER, INC., Gloucester, Mass. |          |                          |       |
| 1960        | Gorton's Redfish Meal                           | 7.65     | 57.00                    | 59.63 |
|             | D. H. GRANDIN MILLING CO. Jamestown, N. Y.      |          |                          |       |
| 1697        | Grandin's Calf Starter                          | 14.64    | 18.00                    | 16.38 |
| 1324        | Grandin's Complete Grower & Layer               | 15.17    | 16.00                    | 17.75 |
| 1323        | Grandin's Dairy Maid 16                         | 15.10    | 16.00                    | 16.00 |
| 1695        | Grandin's Dry & Freshening Ration               | 13.92    | 12.00                    | 11.50 |
| 1338        | Grandin's 14 Fitting Ration                     | 14.27    | 14.00                    | 17.13 |
| 1900        | Grandin's Happy Calf Milk Replacer              | 7.31     | 26.00                    | 27.50 |
| 2076        | Grandin's Hi-Cal Pellets                        | 10.90    | 12.00                    | 13.88 |
| 1325        | Grandin's Hi-Nutro                              | 14.42    | 16.00                    | 16.75 |
| 1696        | Grandin's Horse Feed                            | 14.16    | 9.00                     | 11.75 |
| 1997        | Grandin's Laying Mash                           | 10.65    | 20.00                    | 21.13 |
| 1693        | Grandin's 16 Milk Maker                         | 14.07    | 16.00                    | 16.38 |
| 1339        | Grandin's 14 Milk Producer                      | 14.59    | 14.00                    | 16.38 |
| 1337        | Grandin's 16 Milk Producer                      | 14.87    | 16.00                    | 17.25 |
| 1326        | Grandin's Pig & Sow Feed                        | 14.74    | 18.00                    | 18.38 |
| 2075        | Grandin's Rabbit Pellets                        | 15.62    | 17.00                    | 19.50 |
| 2077        | Grandin's Start-To-Finish                       | 11.04    | 20.00                    | 20.00 |
| 1322        | Grandin's 18% Twin Six Dairy Ration             | 14.50    | 18.00                    | 19.13 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 3.50                     | 3.88  | 5.50                     | 3.40  |  |
| 3.50                     | 2.63  | 5.00                     | 2.73  |  |
| 3.00                     | 3.18  | 9.00                     | 6.60  |  |
| 10.00                    | 9.77  | 1.00                     | 0.65  | Chlortetracycline hydrochloride: Guar., 0.025gm/lb. not det. |
| 2.50                     | 2.50  | 15.00                    | 11.49 |  |
| 2.50                     | 2.61  | 13.00                    | 11.00 |  |
| 2.50                     | 3.37  | 8.50                     | 5.22  | P-ureidobenzene arsonic acid: Guar. 0.075%; found, 0.0156%   |
| 8.00                     | 14.80 | 1.00                     | 0.10  |  |
| 5.00                     | 7.74  | 2.00                     | 0.60  |  |
| 3.00                     | 3.54  | 10.00                    | 6.92  |  |
| 3.50                     | 3.76  | 4.50                     | 4.02  |  |
| 2.50                     | 2.84  | 9.00                     | 9.75  |  |
| 3.00                     | 3.02  | 9.00                     | 6.67  |  |
| 3.00                     | 3.06  | 9.00                     | 7.01  |  |
| 2.00                     | 1.89  | 3.00                     | 1.78  |  |
| 3.00                     | 4.43  | 6.00                     | 5.24  |  |
| 4.00                     | 4.17  | 5.00                     | 3.93  |  |
| 3.00                     | 3.22  | 11.00                    | 8.04  |  |
| 2.50                     | 3.39  | 4.50                     | 4.88  |  |
| 3.00                     | 2.84  | 9.00                     | 7.65  |  |
| 3.00                     | 3.14  | 10.00                    | 5.61  |  |
| 3.50                     | 3.20  | 9.00                     | 5.73  |  |
| 3.50                     | 3.84  | 10.00                    | 4.43  |  |
| 3.00                     | 4.13  | 18.00                    | 12.40 |  |
| 2.50                     | 3.44  | 6.00                     | 4.34  |  |
| 3.00                     | 3.06  | 9.00                     | 8.44  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | THE GREAT ATLANTIC & PACIFIC TEA CO.<br>Minneapolis, Minn.                  |          |                          |       |
| 1874        | Daily Egg Laying Mash   | 9.64     | 20.00                    | 24.00 |
|             | GREEN ACRE FARMS<br>Nazareth, Penna.  |          |                          |       |
| 2472        | Green Acre's Brand 17% Dehy.<br>Alfalfa Meal with 1/2% Veg.<br>Fat Product. | 6.53     | 17.00                    | 17.00 |
|             | HAFFENREFFER & CO., INC.<br>Boston, Mass.                                   |          |                          |       |
| 1783        | Haffenreffer Brewer's Dried Yeast   | 10.31    | 40.00                    | 48.75 |
|             | HALES & HUNTER CO.<br>Chicago, Ill.   |          |                          |       |
| 1949        | Pioneer Beef Fitting Ration   | 14.04    | 12.00                    | 13.63 |
| 1951        | Pioneer Calf Starter  | 12.53    | 18.00                    | 18.00 |
| 1950        | Pioneer Dairy Fitting Feed  | 12.50    | 14.00                    | 15.00 |
| 2269        | Pioneer Dairy Production 16   | 12.41    | 16.00                    | 16.00 |
| 1948        | Pioneer Dairy Production 18   | 12.54    | 18.00                    | 17.25 |
| 2274        | Pioneer Dry & Freshening  | 12.17    | 12.00                    | 14.13 |
| 2268        | Pioneer Horse Feed  | 12.23    | 12.00                    | 12.00 |
| 1730        | Pioneer Pelleted Flaked 15 Dairy  | 12.25    | 15.00                    | 16.63 |
| 2818        | Pioneer Pig Gro-Pel Medicated   | 10.21    | 16.00                    | 18.34 |
| 1761        | Pioneer Rabbit Pellets  | 11.24    | 16.00                    | 17.25 |
| 1813        | Pioneer Sup-Pel Pellets   | 9.75     | 18.00                    | 20.50 |
| 1760        | Red Comb Breeder Mash   | 11.01    | 22.00                    | 22.38 |
| 2979        | Red Comb Chick Starter Z<br>Medicated                                       | 11.19    | 20.00                    | 21.13 |
| 1876        | Red Comb Complete Breeder   | 9.66     | 16.00                    | 17.88 |
| 2817        | Red Comb Complete Layer 16<br>Medicated                                     | 11.71    | 16.00                    | 17.25 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |              | Medicants                                    |
|--------------------------|-------|--------------------------|--------------|----------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found        |                                              |
| 3.00                     | 4.34  | 7.50                     | 7.40         |                                              |
| 2.00                     | 2.50  | 27.00                    | <u>29.55</u> |                                              |
| 0.25                     | 0.30  | 5.50                     | 1.29         |                                              |
| 2.00                     | 3.50  | 6.00                     | 3.66         |                                              |
| 2.50                     | 3.31  | 7.00                     | 5.74         |                                              |
| 3.00                     | 3.39  | 8.00                     | 7.44         |                                              |
| 3.00                     | 3.44  | 8.00                     | 7.07         |                                              |
| 3.00                     | 3.79  | 8.00                     | 6.68         |                                              |
| 2.50                     | 3.88  | 8.00                     | 6.91         |                                              |
| 2.50                     | 3.73  | 8.00                     | 6.57         |                                              |
| 2.50                     | 3.40  | 7.00                     | 5.10         |                                              |
| 3.00                     | 3.81  | 5.00                     | 4.31         | Arsanilic acid:Guar., 0.01%; found, 0.0091%. |
| 2.00                     | 3.29  | 15.00                    | 11.15        |                                              |
| 3.00                     | 4.19  | 8.00                     | 5.73         |                                              |
| 3.50                     | 5.20  | 6.50                     | 5.58         |                                              |
| 3.50                     | 4.60  | 6.00                     | 4.49         | Nicarbazin:Guar., 0.0125%; found, 0.0140%.   |
| 3.50                     | 5.39  | 6.00                     | 4.87         |                                              |
| 3.50                     | 4.06  | 5.50                     | 4.58         | Arsanilic acid:Guar., 0.01%; found, 0.0107.  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                         | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|------------------------------------------------|----------|--------------------------|--------------|
|             |                                                |          | Guaranteed not less than | Found        |
| 2843        | Red Comb Complete Layer 16 F<br>Medicated      | 10.05    | 16.00                    | 18.00        |
| 2568        | Red Comb Duck Starter                          | 9.99     | 18.00                    | 18.88        |
| 1812        | Red Comb Fine Chick                            | 12.97    | 9.00                     | 10.50        |
| 2845        | Red Comb Growing Mash Z<br>Medicated           | 10.29    | 18.00                    | 18.13        |
| 1875        | Red Comb Pullet Developer                      | 9.23     | 12.00                    | 14.38        |
| 1878        | Red Comb Turkey Finisher 17                    | 6.43     | 17.00                    | 17.00        |
| 1877        | Red Comb Turkey Grower 20                      | 10.68    | 20.00                    | 20.00        |
|             | HARPER FEED MILLS, INC.<br>Washington, Pa.     |          |                          |              |
| 1845        | Harco Milk Replacer for Young<br>Calves        | 9.92     | 25.00                    | 29.63        |
| 1836        | Warren's Complete Growing<br>Mash              | 11.26    | 16.00                    | 16.00        |
| 1839        | Warren's Complete Laying<br>Mash               | 11.76    | 16.00                    | 20.25        |
| 1841        | Warren's 16% Dairy Ration                      | 11.50    | 16.00                    | 17.25        |
| 2488        | Warren's 20% Laying Mash                       | 12.02    | 20.00                    | <u>18.50</u> |
|             | H. P. HOOD & SONS, INC.<br>Dunedin, Florida    |          |                          |              |
| 2651        | Hood Citrus Pulp                               | 9.67     | 6.00                     | 6.38         |
|             | THE HUBINGER CO.<br>Keokuk, Iowa               |          |                          |              |
| 2515        | Ke OK uk Brand Corn Gluten<br>Meal             | 9.74     | 41.00                    | 45.88        |
| 2276        | Ke OK uk Brand 21% Protein<br>Corn Gluten Feed | 9.88     | 21.00                    | 24.88        |
|             | ILLINOIS CEREAL MILLS, INC.<br>Paris, Ill.     |          |                          |              |
| 1924        | Hominy Feed                                    | 12.46    | 10.00                    | 11.25        |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Guaran-<br>teed not<br>less<br>than | Fat         |                                     | Fiber |  | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------|--|-----------|
|                                     | Found       | Guaran-<br>teed not<br>more<br>than | Found |  |           |
| 3.50                                | 5.11        | 5.50                                | 4.49  | Arsanilic acid:Guar., 0.01%; found, 0.0083%. Furazolidone: Guar., 0.00275%; found, 0.00236%. |           |
| 3.00                                | 3.91        | 6.50                                | 4.46  | Iodinated Casein:Guar., 0.011%; not determined.  |           |
| 2.00                                | 3.18        | 4.00                                | 1.49  |  |           |
| 3.50                                | 5.11        | 8.00                                | 5.97  | Nicarbazin:Guar., 0.02%; found, <u>0.0129%</u> .   |           |
| 3.00                                | 4.50        | 18.00                               | 15.67 |  |           |
| 3.50                                | 5.53        | 5.00                                | 2.57  |  |           |
| 3.50                                | 5.16        | 6.00                                | 4.51  |  |           |
|                                     |             |                                     |       |  |           |
| 3.50                                | 3.99        | 2.00                                | 1.29  |  |           |
| 3.00                                | 5.43        | 7.00                                | 6.22  |  |           |
| 3.00                                | 3.14        | 6.00                                | 4.65  |  |           |
| 3.00                                | 2.35        | 10.00                               | 7.84  |  |           |
| 3.00                                | 4.20        | 6.00                                | 4.06  |  |           |
|                                     |             |                                     |       |  |           |
| 2.75                                | <u>2.35</u> | 15.00                               | 5.96  |  |           |
|                                     |             |                                     |       |  |           |
| 1.00                                | 1.86        | 6.00                                | 1.35  |  |           |
| 1.00                                | 2.38        | 10.00                               | 7.27  |  |           |
|                                     |             |                                     |       |  |           |
| 5.00                                | 5.79        | 6.00                                | 4.90  |  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|---|----------|--------------------------|--------------|
|             |   |          | Guaranteed not less than | Found        |
|             | INTERNATIONAL MILLING CO.<br>Minneapolis, Minn.                               |          |                          |              |
| 1536        | Blackhawk Wheat Bran with<br>Ground Mixed Screenings                          | 13.74    | 13.50                    | 16.50        |
| 2088        | Blackhawk Wheat Middlings with<br>Ground Mixed Screenings                     | 12.43    | 14.00                    | 16.75        |
| 1849        | Target Wheat Red Dog  | 13.24    | 15.00                    | 16.50        |
|             | KELLOGG SALES CO.<br>Battle Creek, Mich.                                      |          |                          |              |
| 1619        | Kellogg's Hominy Feed   | 11.62    | 8.50                     | 11.63        |
|             | SPENCER KELLOGG & SONS,<br>INC., Buffalo, N. Y.                               |          |                          |              |
| 2401        | Spencer Kellogg 32% Linseed<br>Oil Meal Old Process Expeller                  | 9.58     | 32.00                    | 35.50        |
| 2497        | Spencer Kellogg 50% Protein<br>Dehulled Soybean Oil Meal<br>Solvent Extracted | 10.47    | 50.00                    | <u>49.13</u> |
|             | KRAFT FOODS DIV.<br>Lakeland, Fla.  |          |                          |              |
| 1804        | Daily Maid Dried Citrus Pulp  | 10.07    | 6.00                     | 7.13         |
|             | KRAFT FOOD DIV.<br>New York, N. Y.  |          |                          |              |
| 1815        | Kaff-A Booster Pellets  | 9.71     | 26.00                    | 27.75        |
| 2496        | PEX High Lay Pellets for<br>Layers & Breeders                                 | 9.14     | 26.00                    | 26.00        |
|             | CHAS. A. KRAUSE MILLING<br>CO., Milwaukee, Wis.                               |          |                          |              |
| 1787        | Badger Yellow Hominy Feed   | 13.32    | 10.00                    | 10.88        |
| 1871        | Badger Yellow Hominy Feed   | 11.11    | 10.00                    | 11.38        |
| 2145        | Badger Yellow Hominy Feed   | 11.36    | 10.00                    | 11.13        |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |                  | Fiber                     |             | Medicants |
|---------------------------|------------------|---------------------------|-------------|-----------|
| Guaran-teed not less than | Found            | Guaran-teed not more than | Found       |           |
| 2.50                      | 6.02             | 12.00                     | 9.53        |           |
| 3.00                      | 4.89             | 9.50                      | 7.57        |           |
| 2.00                      | 3.28             | 4.00                      | 2.16        |           |
| 5.50                      | 10.02            | 3.50                      | <u>4.50</u> |           |
| 3.50                      | 3.29             | 10.50                     | 7.29        |           |
| 0.50                      | 1.06             | 3.00                      | 3.00        |           |
| 3.00                      | 3.24             | 15.00                     | 11.56       |           |
| 5.00                      | 6.54             | 3.50                      | 3.01        |           |
| 6.00                      | 6.18             | 4.50                      | 2.53        |           |
| 5.00                      | 6.80             | 6.00                      | 4.58        |           |
| 5.00                      | 4.38             | 6.00                      | 3.28        |           |
| 5.00                      | 6. <sup>79</sup> | 6.00                      | 4.70        |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------------|----------|--------------------------|-------|
|             |                                                      |          | Guaranteed not less than | Found |
|             | KUDER PULP SALES CO.<br>Lake Alfred, Fla.            |          |                          |       |
| 1320        | Kuder Dried Citrus Pulp High Sugar                   | 14.49    | 6.00                     | 6.00  |
|             | LAUHOFF SOYA CO.<br>Danville, Illinois               |          |                          |       |
| 2511        | 43% Protein Expeller Soybean Oil Cake                | 8.59     | 43.00                    | 48.38 |
|             | THE LIBNER GRAIN CO.<br>Norwalk, Conn.               |          |                          |       |
| 2210        | Libner's Blue Ribbon Horse & Calf Ration             | 12.39    | 10.50                    | 11.75 |
| 2209        | Libner's Blue Ribbon Milk Egg Mash                   | 10.78    | 20.00                    | 23.13 |
|             | MAINE REDUCTION CO., INC.<br>Brooks, Maine           |          |                          |       |
| 1346        | Poultry By Products Meal                             | 6.72     | 55.00                    | 60.63 |
|             | MANITOBA SUGAR CO., LTD.<br>Winnipeg, Man., Canada   |          |                          |       |
| 1988        | Molasses Dried Beet Pulp                             | 9.83     | 7.00                     | 10.00 |
|             | MARION MILLING CO.<br>Marion, Ohio                   |          |                          |       |
| 2223        | Cloverleaf Wheat Middlings & Ground Wheat Screenings | 12.07    | 14.00                    | 16.00 |
| 2224        | Pure Wheat Bran                                      | 12.77    | 13.50                    | 14.63 |
|             | MAXON MILLS, INC.<br>Wassaic, N. Y.                  |          |                          |       |
| 2284        | Maxon 14% Fitting                                    | 12.00    | 14.00                    | 15.63 |
| 2283        | Maxon 16% Test                                       | 12.91    | 16.00                    | 16.75 |
| 2282        | Maxon 18% Test                                       | 11.97    | 18.00                    | 17.00 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |           |
| 3.00                     | 3.96  | 15.00                    | 10.83 |           |
| 4.00                     | 4.94  | 7.00                     | 5.16  |           |
| 3.50                     | 3.38  | 7.00                     | 6.57  |           |
| 3.00                     | 4.76  | 6.50                     | 5.88  |           |
| 12.00                    | 16.30 | 2.50                     | 1.08  |           |
| 0.30                     | 0.30  | 20.00                    | 15.02 |           |
| 3.00                     | 5.22  | 9.00                     | 5.91  |           |
| 3.00                     | 3.31  | 10.00                    | 9.77  |           |
| 3.50                     | 3.91  | 10.00                    | 7.23  |           |
| 4.00                     | 3.84  | 9.00                     | 6.95  |           |
| 4.00                     | 4.59  | 9.00                     | 7.84  |           |

TABLE I. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                            | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | McMILLEN FEED MILLS<br>Ft. Wayne, Ind.            |          |                          |       |
| 2984        | Master Made Hi Calorie Broiler Finisher (323-71F) | 11.09    | 20.00                    | 20.88 |
| 3033        | Master Made Broiler Finisher<br>323-77L Medicated | 10.41    | 20.00                    | 21.00 |
| 3115        | Master Made Broiler Finisher<br>323-77L Medicated | 12.42    | 20.00                    | 20.75 |
| 3114        | Master Made Broiler Starter<br>307-77L Medicated  | 12.04    | 24.00                    | 25.38 |
| 2431        | Master Mix All Mash Turkey Grower 421             | 11.37    | 18.00                    | 18.25 |
| 1622        | Master Mix Broiler Finisher Concentrate 375       | 9.95     | 41.00                    | 42.63 |
| 2455        | Master Mix Broiler Starter<br>307-72A Medicated   | 12.24    | 24.00                    | 25.25 |
|             |   |          |                          |       |
| 1353        | Master Mix Broiler Starter Concentrate            | 11.34    | 42.50                    | 42.75 |
| 2428        | Master Mix Broiler Starter Concentrate 351        | 10.04    | 42.50                    | 43.13 |
| 1602        | Master Mix Calflac                                | 6.66     | 18.00                    | 18.25 |
| 1351        | Master Mix Caponette Finisher Concentrate 383     | 11.46    | 42.50                    | 42.88 |
| 1603        | Master Mix Complete Rabbit Pellets 961            | 11.93    | 15.00                    | 16.25 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                                                   |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                                             |
| 6.00                     | 5.79  | 3.00                     | 2.56  | Dienestrol diacetate:Guar., 0.0035%; not determined. Nicarbazin:Guar., 0.0125%; found, 0.0140.                                                                                              |
| 6.00                     | 6.01  | 3.00                     | 2.83  | Nicarbazin:Guar., 0.0125%; found, 0.0120%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%.                                                                              |
| 6.00                     | 7.13  | 3.00                     | 2.53  | Nicarbazin:Guar., 0.0125%; found, 0.0154%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%.                                                                              |
| 6.00                     | 8.36  | 3.00                     | 2.45  | Nicarbazin:Guar., 0.0125%; found, 0.0146%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0048%.                                                                              |
| 3.50                     | 3.98  | 5.00                     | 4.43  |                                                                                                                                                                                             |
| 10.00                    | 10.64 | 4.00                     | 3.16  |                                                                                                                                                                                             |
| 6.00                     | 6.76  | 3.00                     | 2.41  | Acetyl(para-nitrophenyl)sulfanilamide:Guar., 0.03%; found, 0.0328%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0234%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0050%. |
| 8.50                     | 9.20  | 3.00                     | 2.94  |                                                                                                                                                                                             |
| 8.50                     | 9.76  | 3.00                     | 3.13  |                                                                                                                                                                                             |
| 11.50                    | 11.85 | 0.50                     | 0.40  |                                                                                                                                                                                             |
| 4.00                     | 4.44  | 4.00                     | 3.47  |                                                                                                                                                                                             |
| 2.00                     | 2.39  | 16.00                    | 12.74 |                                                                                                                                                                                             |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                   | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                          |          | Guaranteed not less than | Found |
| 2429        | Master Mix Complete Turkey Finisher                      | 11.00    | 16.00                    | 16.00 |
| 1354        | Master Mix 14% Dairy Feed 621                            | 13.15    | 14.00                    | 17.50 |
| 2399        | Master Mix Egglac Pellets                                | 10.46    | 20.00                    | 23.13 |
| 2397        | Master Mix Egg Mash 211                                  | 10.00    | 20.00                    | 21.88 |
| 2398        | Master Mix Horse Feed                                    | 11.87    | 10.00                    | 11.88 |
| 2772        | Master Mix Poultry Starter 401-83A Medicated             | 9.62     | 28.00                    | 28.25 |
| 2592        | Master Mix Prime Finisher 55A Medicated                  | 10.86    | 15.00                    | 16.88 |
| 1601        | Master Mix Sweet Flakes                                  | 13.72    | 7.00                     | 9.25  |
|             | MEECH & STODDARD, INC.<br>Middletown, Conn.              |          |                          |       |
| 1848        | M & S Economy Dairy Feed                                 | 11.85    | 16.00                    | 17.88 |
| 1433        | Quality Brand Complete Growing                           | 12.64    | 16.00                    | 16.00 |
| 1434        | Quality Brand Complete Laying                            | 12.39    | 16.00                    | 16.00 |
| 2171        | Red Wing Calf Starter & Grower                           | 11.61    | 16.00                    | 18.00 |
| 2167        | Red Wing 16% Dairy Feed                                  | 11.04    | 16.00                    | 16.00 |
| 2172        | Red Wing Fitting Ration                                  | 11.51    | 14.00                    | 14.00 |
| 2168        | Red Wing 16% High Energy<br>Dairy Ration                 | 11.74    | 16.00                    | 16.00 |
| 1423        | Red Wing Horse Feed                                      | 15.64    | 9.00                     | 11.75 |
| 1847        | Red Wing Horse Feed                                      | 13.46    | 9.00                     | 9.75  |
| 2170        | Red Wing Pig & Hog Feed                                  | 10.66    | 17.00                    | 17.13 |
| 2173        | Red Wing Rabbit Pellets                                  | 9.79     | 16.00                    | 16.00 |
| 1510        | Red Wing Stock Feed                                      | 13.32    | 10.00                    | 10.00 |
| 2169        | Special Balance Growing Mash                             | 11.10    | 18.00                    | 17.00 |
| 1846        | Special Balance High Efficiency<br>Complete Growing Mash | 11.69    | 15.00                    | 16.38 |
| 1432        | Special Balance High Efficiency<br>Complete Laying Mash  | 12.79    | 16.00                    | 16.63 |
| 1431        | Special Balance Laying Mash                              | 12.22    | 20.00                    | 20.00 |
| 2713        | Special Balance Starting Mash<br>Medicated               | 11.47    | 20.00                    | 20.75 |
| 3119        | Special Broiler-Finisher<br>Medicated                    | 11.76    | 20.00                    | 21.25 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 3.50                     | 4.39  | 6.00                     | 4.42  |   |
| 3.00                     | 3.01  | 10.00                    | 7.79  |   |
| 2.50                     | 3.94  | 7.00                     | 5.79  |   |
| 2.50                     | 3.19  | 7.00                     | 5.54  |   |
| 3.00                     | 3.19  | 9.00                     | 6.17  |   |
| 4.00                     | 5.31  | 4.00                     | 2.55  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0170%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%. |
| 4.50                     | 3.59  | 4.00                     | 2.21  | Glycarbylmide: Guar., 0.003%; found, 0.0008%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%.     |
| 1.50                     | 2.39  | 29.00                    | 26.39 |   |
| 3.00                     | 3.39  | 10.00                    | 8.05  |   |
| 3.00                     | 4.45  | 5.00                     | 3.06  |   |
| 3.00                     | 4.02  | 4.50                     | 3.39  |   |
| 3.00                     | 3.31  | 8.00                     | 7.06  |   |
| 3.50                     | 4.14  | 9.00                     | 6.73  |   |
| 3.50                     | 3.73  | 9.00                     | 7.35  |   |
| 4.00                     | 3.36  | 6.50                     | 4.37  |   |
| 3.20                     | 2.43  | 7.00                     | 5.04  |   |
| 3.20                     | 3.48  | 7.00                     | 3.59  |   |
| 3.00                     | 3.06  | 7.00                     | 6.09  |   |
| 2.50                     | 3.79  | 13.00                    | 11.05 |   |
| 2.50                     | 3.09  | 11.00                    | 10.50 |   |
| 3.00                     | 3.91  | 6.00                     | 5.96  |   |
| 3.50                     | 4.21  | 5.00                     | 4.95  |   |
| 3.00                     | 4.51  | 5.00                     | 4.70  |   |
| 3.00                     | 3.88  | 6.00                     | 4.61  |   |
| 3.00                     | 3.62  | 6.00                     | 4.52  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%.   |
| 5.50                     | 5.50  | 4.00                     | 3.22  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0020%.   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                      | Moisture | Protein<br>(N x 6.25)    |       | Found |
|-------------|---|----------|--------------------------|-------|-------|
|             |   |          | Guaranteed not less than |       |       |
|             | THE MENNEL MILLING CO.<br>Fostoria, Ohio                    |          |                          |       |       |
| 2426        | Memo Pure Wheat Bran  | 12.64    | 13.00                    | 15.38 |       |
|             | MERCK & CO., INC., CHEM.<br>DIV., Rahway, N. J.             |          |                          |       |       |
| 2992        | No. 941 Feed Supplement<br>Improved Premix Medicated        | --       | --                       | --    | --    |
|             | MIDDLETOWN MILK & CREAM<br>CO., INC., Fort Edward, N. Y.    |          |                          |       |       |
| 1782        | Dellwood Brand Dried Whey                                   | 8.39     | 11.00                    | 13.13 |       |
|             | MINER-HILLARD MILLING CO.<br>Wilkes-Barre, Pa.              |          |                          |       |       |
| 2187        | Choice Steam Cooked Hominy<br>Feed                          | 11.77    | 10.00                    | 11.13 |       |
|             | MINNESOTA LINSEED OIL CO.<br>Minneapolis, Minn.             |          |                          |       |       |
| 1620        | Minnesota Solvent Extracted<br>Linseed Oil Meal 34% Protein | 12.35    | 34.00                    | 34.00 |       |
|             | MINUTE MAID CORP.<br>Leesburg, Fla.                         |          |                          |       |       |
| 1413        | Golden Isle Citrus Pulp                                     | 12.72    | 5.50                     | 6.25  |       |
|             | GEO. Q. MOON & CO., INC.<br>Binghamton, N. Y.               |          |                          |       |       |
| 2230        | Moon Complete Growing Mash                                  | 10.70    | 16.00                    | 16.50 |       |
| 2233        | Moon Complete Laying Mash                                   | 10.15    | 16.00                    | 17.13 |       |
| 2229        | Moon 20% Dairy Ration                                       | 12.15    | 20.00                    | 21.25 |       |
| 2232        | Moon Goat Ration  | 10.79    | 16.00                    | 18.75 |       |
| 2297        | Moon Growing Mash   | 10.80    | 18.00                    | 20.25 |       |
| 2296        | Moon Horse Feed   | 13.83    | 9.00                     | 11.00 |       |
| 2289        | Moon Laying Mash  | 10.21    | 22.00                    | 23.25 |       |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants                                                                          |
|---------------------------|-------|---------------------------|-------|------------------------------------------------------------------------------------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |                                                                                    |
| 3.00                      | 3.06  | 12.00                     | 8.25  |                                                                                    |
| --                        | --    | --                        | --    | Arsanilic acid: Guar., 2.5%; found, 2.38%. Nicarbazin: Guar., 3.13%; found, 2.80%. |
| 0.50                      | 1.08  | --                        | --    |                                                                                    |
| 5.00                      | 5.69  | 5.00                      | 4.02  |                                                                                    |
| 0.50                      | 2.74  | 10.00                     | 7.69  |                                                                                    |
| 2.75                      | 2.85  | 15.00                     | 12.07 |                                                                                    |
| 4.50                      | 4.99  | 6.50                      | 5.27  |                                                                                    |
| 4.50                      | 4.18  | 6.50                      | 5.56  |                                                                                    |
| 3.50                      | 3.28  | 10.00                     | 7.35  |                                                                                    |
| 3.00                      | 3.24  | 8.00                      | 7.16  |                                                                                    |
| 4.00                      | 5.16  | 6.50                      | 5.04  |                                                                                    |
| 1.50                      | 3.58  | 10.00                     | 5.93  |                                                                                    |
| 4.00                      | 5.59  | 6.50                      | 5.38  |                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                     | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                            |          | Guaranteed not less than | Found        |
| 1792        | Moon Rabbit Pellets                                        | 11.56    | 15.00                    | 17.75        |
| 1793        | Moon Scratch Feed                                          | 14.43    | 10.00                    | 10.00        |
|             | MOWAT, WILSON & CO.<br>Detroit, Mich.                      |          |                          |              |
| 2208        | Dried Beet Pulp                                            | 8.23     | 7.00                     | 9.25         |
|             | NATIONAL ALFALFA DEHYDRATING & MILLING CO.<br>Lamar, Colo. |          |                          |              |
| 2518        | Krumbles                                                   | 7.10     | 13.00                    | 15.75        |
| 2513        | National 20% Dehydrated Alfalfa Meal                       | 9.89     | 20.00                    | <u>18.25</u> |
| 2512        | National 15% Protein Dehydrated Alfalfa Meal               | 7.30     | 15.00                    | 17.75        |
| 2516        | National 17% Protein Dehydrated Alfalfa Meal               | 9.29     | 17.00                    | 17.38        |
|             | NATIONAL BISCUIT CO.<br>Toledo, Ohio                       |          |                          |              |
| 2211        | Namico                                                     | 11.78    | 14.00                    | 14.75        |
| 1612        | Pure Wheat Bran                                            | 13.86    | 13.00                    | 13.88        |
|             | NATIONAL DISTILLERS PRODUCTS CO.<br>New York, N. Y.        |          |                          |              |
| 1624        | Nadrisol Brand Corn Distillers Dried Solubles              | 10.14    | 25.00                    | 28.38        |
|             | NEW JERSEY FLOUR MILLS CO., Clifton, N. J.                 |          |                          |              |
| 1764        | Jersey Flour Middlings                                     | 12.23    | 14.00                    | 15.75        |
|             | NOPCO CHEMICAL CO.<br>Newark, N. J.                        |          |                          |              |
| 1345        | Nopco-Pak High Energy Premix                               | 13.06    | 5.00                     | 10.88        |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |           |
| 2.50                     | 3.73  | 12.00                    | 10.27 |           |
| 2.00                     | 2.94  | 5.00                     | 2.90  |           |
| 0.30                     | 1.11  | 22.50                    | 20.39 |           |
| 1.50                     | 3.79  | 33.00                    | 24.62 |           |
| 2.50                     | 3.18  | 20.00                    | 21.82 |           |
| 1.50                     | 3.26  | 30.00                    | 20.47 |           |
| 1.50                     | 2.85  | 27.00                    | 23.55 |           |
| 3.50                     | 4.44  | 9.00                     | 5.98  |           |
| 3.00                     | 5.13  | 10.00                    | 4.83  |           |
| 8.00                     | 9.83  | 4.00                     | 3.03  |           |
| 3.50                     | 3.79  | 6.00                     | 6.63  |           |
| 1.00                     | 1.76  | 24.00                    | 20.66 |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--|----------|--------------------------|-------|
|             |  |          | Guaranteed not less than | Found |
| 1343        | Nopco-Pak Hi-Lay Premix                    | 7.44     | 7.00                     | 11.50 |
| 1344        | Nopco-Pak Super Premix                     | 15.50    | 6.00                     | 21.25 |
| 1342        | Nopdex "3000"                              | 11.11    | 10.00                    | 12.25 |
|             | NORTHERN OHIO SUGAR CO.<br>Denver, Colo.   |          |                          |       |
| 2238        | GW Dried Beet Pulp                         | 12.18    | 8.00                     | 8.00  |
| 2258        | GW Dried Molasses Beet Pulp                | 5.18     | 8.50                     | 10.00 |
|             | OGDEN GRAIN CO.<br>Utica, N. Y.            |          |                          |       |
| 1554        | Life Span 15                               | 12.81    | 15.00                    | 16.63 |
| 1555        | Ogden C. L. Special 16                     | 13.89    | 16.00                    | 18.63 |
| 2808        | Ogden Complete Breeder<br>Medicated        | 12.11    | 16.00                    | 16.00 |
| 1557        | Ogden Complete Grower                      | 13.12    | 16.00                    | 16.38 |
| 2840        | Ogden Complete Layer<br>Medicated          | 12.36    | 16.00                    | 16.75 |
| 1559        | Ogden Grow-Rite Complete<br>Pullet Ration  | 12.86    | 16.00                    | 18.38 |
| 2807        | Ogden Hi-Energy Laying Mash<br>Medicated   | 13.06    | 16.00                    | 16.50 |
| 1965        | Ogden Horse Feed                           | 12.74    | 10.00                    | 10.88 |
| 1558        | Ogden Laying Mash                          | 13.44    | 20.00                    | 18.75 |
| 1967        | Ogden Milk Replacement                     | 5.21     | 21.00                    | 22.00 |
| 1963        | Ogden Premium Dry & Fresh-<br>ening Ration | 12.47    | 14.00                    | 15.25 |
| 1556        | Ogden Premium 16 Pel-Flake                 | 13.24    | 16.00                    | 15.63 |
| 1962        | Ogden Premium 18% Test<br>Cow Ration       | 12.86    | 18.00                    | 18.38 |
| 1966        | Ogden Rabbit Pellets                       | 10.83    | 18.00                    | 18.00 |
| 2198        | Ogden Reliable 16 Dairy Ration             | 13.25    | 16.00                    | 16.13 |
| 2479        | Ogden Scratch Grains                       | 13.33    | 9.00                     | 9.00  |
| 1964        | Ogden Super Hi-Energy Laying<br>Mash       | 10.99    | 20.00                    | 18.63 |
| 2478        | Ogden Super Pig Ration                     | 11.39    | 14.00                    | 14.00 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                       |       | Fiber                     |       | Medicants                                            |
|---------------------------|-------|---------------------------|-------|------------------------------------------------------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |                                                      |
| 2.00                      | 1.96  | 20.00                     | 18.08 |                                                      |
| 1.00                      | 2.48  | 20.00                     | 3.47  |                                                      |
| 0.50                      | 3.44  | 37.00                     | 31.19 |                                                      |
| — —                       | — —   | 22.50                     | 17.22 |                                                      |
| — —                       | — —   | 18.00                     | 14.79 |                                                      |
| 3.50                      | 4.78  | 8.00                      | 6.96  |                                                      |
| 3.50                      | 3.28  | 8.50                      | 7.65  |                                                      |
| 3.00                      | 3.36  | 4.00                      | 3.54  | Arsanilic acid:Guar., 0.01%; found, 0.0085%.         |
| 3.00                      | 3.90  | 3.50                      | 3.21  |                                                      |
| 3.50                      | 3.38  | 3.50                      | 3.28  | Arsanilic acid:Guar., 0.01%; found, <u>0.0058%</u> . |
| 3.00                      | 4.13  | 7.00                      | 4.97  |                                                      |
| 4.50                      | 4.27  | 4.00                      | 3.92  | Arsanilic acid:Guar., 0.01%; found, 0.0090%.         |
| 3.00                      | 3.49  | 9.00                      | 6.02  |                                                      |
| 3.00                      | 3.54  | 6.00                      | 5.46  |                                                      |
| 8.50                      | 10.14 | 0.50                      | 0.35  |                                                      |
| 4.00                      | 3.78  | 8.00                      | 6.52  |                                                      |
| 4.00                      | 4.69  | 8.00                      | 6.39  |                                                      |
| 4.00                      | 4.38  | 8.00                      | 6.24  |                                                      |
| 3.00                      | 3.42  | 12.00                     | 11.85 |                                                      |
| 3.00                      | 3.48  | 9.00                      | 1.87  |                                                      |
| 3.00                      | 3.41  | 6.00                      | 2.96  |                                                      |
| 4.50                      | 5.35  | 4.50                      | 4.43  |                                                      |
| 3.50                      | 4.36  | 7.00                      | 5.12  |                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------------|----------|--------------------------|-------|
|             |                                                  |          | Guaranteed not less than | Found |
|             | OSCEOLA FRUIT DISTRIBUTORS, Kissimee, Fla.       |          |                          |       |
| 1704        | Osceola Citrus Pulp                              | 10.94    | 6.00                     | 6.25  |
|             | THE PARK & POLLARD CO., INC., Buffalo, N. Y.     |          |                          |       |
| 1329        | Park & Pollard Hi-Speed Horse Feed 545           | 15.69    | 12.00                    | 13.75 |
| 1328        | Super Lay or Bust Egg Mash 110                   | 13.22    | 21.00                    | 19.25 |
| 1330        | Super Lay or Bust Growing Feed 105               | 13.64    | 20.00                    | 19.25 |
|             | PASCO PACKING CO. Dade City, Fla.                |          |                          |       |
| 1350        | Sugar Sweet Citrus Pulp                          | 12.27    | 6.00                     | 6.38  |
|             | PERRYSBURG ALFALFA MILLS, INC., Perrysburg, Ohio |          |                          |       |
| 1318        | 13% Sun Cured Alfalfa Meal                       | 17.00    | 13.00                    | 14.13 |
|             | PILLSBURY of CANADA LTD. Midland, Canada         |          |                          |       |
| 1946        | Dandy Wheat Bran                                 | 11.91    | 14.00                    | 19.25 |
|             | R. C. PRATT & CO., LTD. Toronto, Canada          |          |                          |       |
| 1598        | Ruler Brand Pure Wheat Shorts                    | 12.09    | 15.00                    | 15.00 |
|             | PUBLICKER INDUSTRIES, INC. Philadelphia, Pa.     |          |                          |       |
| 1959        | Paco Molasses Distillers Dried Solubles          | 4.43     | 10.00                    | 10.00 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |             | Fiber                    |             | Medicants |
|--------------------------|-------------|--------------------------|-------------|-----------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found       |           |
| 2.00                     | 2.04        | 15.00                    | 11.87       |           |
| 3.00                     | 3.06        | 9.00                     | 5.03        |           |
| 3.50                     | 4.93        | 4.00                     | 3.82        |           |
| 4.00                     | 4.60        | 4.50                     | <u>5.15</u> |           |
| 3.00                     | <u>2.29</u> | 13.50                    | 10.45       |           |
| 1.00                     | 2.00        | 33.00                    | 29.30       |           |
| 3.50                     | 4.29        | 11.50                    | 9.73        |           |
| 3.50                     | 5.45        | 10.50                    | 7.09        |           |
| 0.50                     | 0.54        | 5.00                     | 0.09        |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | THE QUAKER OATS CO.<br>Chicago, Ill.                    |          |                          |       |
| 1728        | Ful-O-Pep Derwood Horse<br>Crunch                       | 11.57    | 15.00                    | 16.13 |
|             | QUAKER OATS CO. of CANADA<br>LTD., Peterborough, Canada |          |                          |       |
| 1549        | Yellow Hominy Feed                                      | 11.59    | 10.00                    | 10.38 |
|             | RALSTON PURINA CO.<br>St. Louis, Mo.                    |          |                          |       |
| 2166        | Custom Breeder Arbor Acre                               | 11.40    | 16.00                    | 17.25 |
| 2165        | Custom Developer Arbor Acre                             | 10.20    | 13.00                    | 14.88 |
| 2161        | 44% Protein Solvent Extracted<br>Soybean Oil Meal       | 11.33    | 44.00                    | 45.38 |
| 1826        | Purina B&M Cow Chow                                     | 13.10    | 16.00                    | 16.13 |
| 3122        | Purina Baby Pig Chow Medicated                          | 8.09     | 18.00                    | 18.00 |
|             |   |          |                          |       |
| 3117        | Purina Broiler Chow D<br>Medicated                      | 11.25    | 20.00                    | 20.38 |
| 2454        | Purina Broiler Chow(D) UN                               | 11.42    | 20.00                    | 21.75 |
|             |   |          |                          |       |
| 3112        | Purina Broiler Chow Finisher<br>(E) 3NC Medicated       | 11.81    | 20.00                    | 23.13 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                                                    |
|--------------------------|-------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                                              |
| 4.00                     | 4.08  | 10.00                    | 9.46  |                                                                                                                                                                                              |
| 5.00                     | 7.83  | 6.00                     | 4.42  |                                                                                                                                                                                              |
| 3.50                     | 4.99  | 5.00                     | 4.00  |                                                                                                                                                                                              |
| 2.50                     | 4.61  | 9.00                     | 6.26  |                                                                                                                                                                                              |
| 0.50                     | 1.48  | 7.00                     | 6.85  |                                                                                                                                                                                              |
| 2.50                     | 2.72  | 10.00                    | 5.35  |                                                                                                                                                                                              |
| 5.00                     | 6.39  | 3.00                     | 1.88  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0049%. Chlortetra-cycline hydrochloride:Guar., 0.025gm/lb.; not determined.                                                      |
| 3.00                     | 4.80  | 5.00                     | 2.79  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0042%.                                                                                                                           |
| 3.00                     | 4.01  | 5.00                     | 2.57  | Acetyl(para-nitrophenyl) sul-fanilamide:Guar., 0.03%; found, 0.0328%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0220%. 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0051%. |
| 5.00                     | 7.26  | 4.50                     | 2.77  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0047%. Nicarbazin:Guar., 0.0125%; found, 0.0148%                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------------|----------|--------------------------|-------|
|             |                                                  |          | Guaranteed not less than | Found |
| 3111        | Purina Broiler Chow Starter<br>(E) 3NC Medicated | 10.85    | 23.00                    | 24.88 |
| 2450        | Purina Broiler Chow Starter<br>(E) UN Medicated  | 9.91     | 23.00                    | 25.25 |
| 1942        | Purina Bulky Las                                 | 12.72    | 10.00                    | 10.50 |
| 1940        | Purina Calf Startena                             | 11.48    | 19.50                    | 20.13 |
| 2557        | Purina Calf Startena                             | 9.09     | 19.50                    | 21.50 |
| 2559        | Purina Calf Startena (Coarse)                    | 10.94    | 19.50                    | 20.63 |
| 2163        | Purina Chick Chow (Coarse)                       | 13.21    | 9.00                     | 9.50  |
| 1944        | Purina Chick Chow (Fine)                         | 13.37    | 9.00                     | 9.75  |
| 1410        | Purina Chick Growena D                           | 11.83    | 17.00                    | 18.38 |
| 2449        | Purina Chick Growena (D)<br>Medicated            | 10.99    | 17.00                    | 18.25 |
| 3118        | Purina Chick Startena D<br>Medicated             | 10.40    | 20.00                    | 20.88 |
| 2451        | Purina Chick Startena (D) UN<br>Medicated        | 11.76    | 20.00                    | 21.13 |
| 1408        | Purina Cow Chow D 16%                            | 12.71    | 16.00                    | 16.63 |
| 2159        | Purina Cow Chow D 20%                            | 10.11    | 20.00                    | 21.13 |
| 2160        | Purina D & F Chow                                | 11.17    | 12.50                    | 12.50 |
| 1756        | Purina D & F Chow (Coarse)                       | 13.21    | 12.50                    | 12.50 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 5.00                     | 7.83  | 4.50                     | 4.50  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.0125%; found, 0.0144%.  |
| 5.00                     | 6.29  | 4.50                     | 3.83  | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0324%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0240%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%;found, 0.0047%. |
| 1.00                     | 1.00  | 15.00                    | 13.39 |   |
| 2.50                     | 2.93  | 8.00                     | 6.42  |   |
| 5.00                     | 6.16  | 11.00                    | 7.46  |   |
| 2.50                     | 3.62  | 8.00                     | 6.44  |   |
| 2.00                     | 3.00  | 4.00                     | 1.66  |   |
| 2.00                     | 2.59  | 4.00                     | 1.21  |   |
| 3.00                     | 4.12  | 8.00                     | 4.84  |   |
| 3.00                     | 4.10  | 7.00                     | 5.45  | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0332%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0270%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%;found, 0.0069%. |
| 2.50                     | 4.53  | 7.00                     | 5.28  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.0025%; found, 0.0021%.   |
| 2.50                     | 4.29  | 7.00                     | 5.06  | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0348%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0280%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%;found, 0.0052%. |
| 2.50                     | 3.87  | 8.00                     | 4.08  |   |
| 2.50                     | 3.86  | 8.00                     | 6.02  |   |
| 2.50                     | 3.18  | 11.00                    | 5.32  |   |
| 2.50                     | 2.49  | 11.00                    | 6.65  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                              | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
| 2141        | Purina D & F Chow (Coarse)                          | 12.34    | 12.50                    | 12.50 |
| 2560        | Purina Dairy Chow L 16%                             | 11.06    | 16.00                    | 18.63 |
| 1752        | Purina Duck Growena                                 | 11.31    | 18.00                    | 20.75 |
| 2193        | Purina Fitting Ration                               | 11.13    | 14.00                    | 16.50 |
| 1932        | Purina Game Bird F&M Chow                           | 11.08    | 19.00                    | 20.00 |
| 1755        | Purina Game Bird Growena                            | 11.30    | 20.00                    | 22.13 |
| 1412        | Purina Goat Chow A (Coarse)                         | 12.72    | 16.00                    | 17.00 |
| 1422        | Purina Goat Chow Checkers D                         | 12.94    | 16.00                    | 16.88 |
| 2474        | Purina Guinea Pig Chow                              | 9.42     | 24.00                    | 24.63 |
| 3123        | Purina Hog Finisher No. 1<br>Medicated              | 13.38    | 14.00                    | 14.00 |
| 1751        | Purina Lay Chow E                                   | 12.25    | 23.00                    | 23.00 |
| 1409        | Purina Layena (Complete<br>Ration) E                | 12.69    | 16.50                    | 17.00 |
| 2586        | Purina Medicated Chek-R-Aid                         | 11.24    | 20.00                    | 21.63 |
| 2571        | Purina Medicated Poultry Aid                        | 9.88     | 22.00                    | 24.88 |
| 1941        | Purina Milk Chow D 16%                              | 10.57    | 16.00                    | 19.50 |
| 2196        | Purina Milk Chow D 16%<br>(Coarse)                  | 11.91    | 16.00                    | 16.63 |
| 2558        | Purina Mink Breeder Chow                            | 10.80    | 20.00                    | 22.25 |
| 1947        | Purina Mink Developer Chow                          | 10.76    | 20.00                    | 23.25 |
| 2164        | Purina Nursing Chow                                 | 6.87     | 25.00                    | 28.75 |
| 2453        | Purina of Broiler Chow Finisher<br>(V) UN Medicated | 11.66    | 20.00                    | 22.38 |
| 1411        | Purina Omolene                                      | 13.65    | 10.00                    | 11.25 |
| 1753        | Purina Pigeon Chow Checkers                         | 11.81    | 15.00                    | 15.50 |
| 2140        | Purina Poultry Booster Chow                         | 10.71    | 24.00                    | 24.75 |
| 1757        | Purina Rabbit Chow Checkers<br>(20%)                | 9.77     | 20.00                    | 21.25 |
| 2152        | Purina Rabbit Chow Checkers<br>(Complete Ration)    | 9.05     | 15.00                    | 17.13 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                                                    |
|--------------------------|-------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                                              |
| 2.50                     | 2.61  | 11.00                    | 6.41  |                                                                                                                                                                                              |
| 2.50                     | 2.38  | 12.00                    | 11.39 |                                                                                                                                                                                              |
| 3.00                     | 4.08  | 5.00                     | 3.81  |                                                                                                                                                                                              |
| 2.50                     | 3.69  | 12.00                    | 7.59  |                                                                                                                                                                                              |
| 2.50                     | 3.38  | 12.00                    | 7.05  |                                                                                                                                                                                              |
| 3.00                     | 3.05  | 6.00                     | 3.64  |                                                                                                                                                                                              |
| 3.00                     | 3.76  | 9.00                     | 6.25  |                                                                                                                                                                                              |
| 2.50                     | 3.69  | 8.00                     | 4.19  |                                                                                                                                                                                              |
| 4.00                     | 5.04  | 12.00                    | 9.18  |                                                                                                                                                                                              |
| 2.50                     | 3.29  | 7.00                     | 3.10  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.0025%; found, 0.0022%.                                                                                                                          |
| 3.50                     | 4.43  | 5.00                     | 4.15  |                                                                                                                                                                                              |
| 3.50                     | 5.19  | 4.50                     | 3.34  |                                                                                                                                                                                              |
| 4.50                     | 5.98  | 4.50                     | 2.70  | Chlortetracycline hydrochloride:Guar., 0.05 gm/lb.; not determined. Furazolidone: Guar., 0.011%; found, 0.0112%.                                                                             |
| 4.50                     | 8.26  | 4.50                     | 3.57  | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined.                                                                                                                           |
| 2.50                     | 4.08  | 10.00                    | 6.95  |                                                                                                                                                                                              |
| 2.50                     | 2.63  | 10.00                    | 6.88  |                                                                                                                                                                                              |
| 3.00                     | 2.89  | 5.00                     | 4.38  |                                                                                                                                                                                              |
| 2.50                     | 3.97  | 5.00                     | 3.88  |                                                                                                                                                                                              |
| 2.50                     | 2.71  | 1.50                     | 0.75  |                                                                                                                                                                                              |
| 5.00                     | 4.24  | 4.50                     | 2.08  | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0284%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0210%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0053%. |
| 3.00                     | 3.73  | 9.00                     | 6.26  |                                                                                                                                                                                              |
| 2.50                     | 3.79  | 4.00                     | 3.37  |                                                                                                                                                                                              |
| 2.50                     | 4.38  | 6.50                     | 5.14  |                                                                                                                                                                                              |
| 2.00                     | 2.79  | 16.00                    | 15.37 |                                                                                                                                                                                              |
| 2.00                     | 3.79  | 18.00                    | 13.74 |                                                                                                                                                                                              |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                              | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                     |          | Guaranteed not less than | Found |
| 2773        | Purina Rabbit Chow Checkers<br>NF SQ (Complete Ration)<br>Medicated | 9.00     | 15.00                    | 17.75 |
| 1931        | Purina Rabbit Chow Checkers<br>WO                                   | 10.11    | 15.00                    | 17.63 |
| 1825        | Purina Roaster Chow E                                               | 11.17    | 17.00                    | 18.63 |
| 2846        | Purina Roaster Chow (E) NC<br>Medicated                             | 9.37     | 15.00                    | 17.50 |
| 2452        | Purina Roaster Chow (E) UN<br>Medicated                             | 10.98    | 17.00                    | 20.13 |
| 1945        | Purina Special Steer Fatena 32%                                     | 10.20    | 32.00                    | 32.25 |
| 3113        | Purina Squab Broiler Chow<br>3 NC Medicated                         | 12.60    | 20.00                    | 20.00 |
| 2162        | Purina Turkey Fatena D                                              | 10.00    | 17.00                    | 17.00 |
| 1943        | Purina Turkey Finisher<br>(D) No. 1                                 | 11.49    | 15.00                    | 15.50 |
| 2594        | Purina Turkey Finisher (D)<br>No. 1 HZ Medicated                    | 10.41    | 15.00                    | 15.50 |
| 2158        | Purina Turkey Finisher<br>(D) No. 2                                 | 10.76    | 13.50                    | 14.13 |
| 2593        | Purina Turkey Finisher D<br>No. 2 HZ Medicated                      | 10.56    | 13.50                    | 14.50 |
| 1933        | Purina Turkey Growena D No. 1                                       | 10.89    | 23.00                    | 24.25 |
| 1827        | Purina Turkey Growena D No. 2                                       | 10.50    | 20.00                    | 21.13 |
|             | READING MILLING CO., INC.<br>Reading, Pa.                           |          |                          |       |
| 1562        | Farmel All Mash Layer                                               | 10.72    | 16.00                    | 19.00 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 2.00                     | 2.16  | 18.00                    | 11.20 | Sulfaquinoxaline:Guar., 0.025%; found, 0.0168%. Furazolidone: Guar., 0.0055%; found, 0.0060%.  |
| 2.00                     | 3.34  | 18.00                    | 13.43 |  |
| 4.00                     | 4.79  | 6.50                     | 3.03  |  |
| 4.00                     | 5.39  | 6.50                     | 2.82  | Nicarbazin:Guar., 0.0125%; found, 0.0126%. Dienestrol diacetate:Guar., 0.0023%; not determined.  |
| 4.00                     | 5.04  | 6.50                     | 2.95  | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0308%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0228%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. |
| 2.00                     | 2.00  | 12.00                    | 7.46  |  |
| 3.50                     | 5.32  | 4.50                     | 3.44  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0054%. Nicarbazin: Guar., 0.0125%; found, 0.0150%.   |
| 3.50                     | 4.46  | 5.50                     | 4.42  |  |
| 4.00                     | 4.08  | 4.50                     | 3.45  |  |
| 4.00                     | 4.49  | 4.50                     | 2.88  | Nithiazide:Guar., 0.03%; found, 0.0298%.   |
| 4.00                     | 5.28  | 4.00                     | 3.95  |  |
| 4.00                     | 4.49  | 4.00                     | 2.51  | Nithiazide:Guar., 0.03%; found, 0.0271%.   |
| 3.50                     | 4.39  | 6.00                     | 4.08  |  |
| 3.50                     | 4.29  | 5.50                     | 4.61  |  |
| 3.50                     | 5.14  | 4.50                     | 4.31  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
| 1563        | Farmel Rabbit Food Pellets                            | 10.77    | 16.00                    | 18.13 |
| 1597        | Pure Winter Wheat Middlings                           | 13.43    | 15.00                    | 15.00 |
|             | ROHLOFF BROS., INC.<br>Graytown, Ohio                 |          |                          |       |
| 1754        | Rohloff's Dehydrated Alfalfa Meal with Animal Fat     | 10.59    | 15.00                    | 15.38 |
| 2227        | Rohloff's Dehydrated Alfalfa Meal with Animal Fat     | 10.31    | 17.00                    | 18.38 |
|             | RUSSELL-MILLER MILLING CO., Minneapolis, Minn.        |          |                          |       |
| 1729        | Occident Wheat Bran                                   | 12.36    | 15.00                    | 16.75 |
| 2561        | Occident Wheat Middlings with Ground Wheat Screenings | 10.96    | 16.00                    | 17.38 |
|             | SASKATCHEWAN WHEAT POOL NO. 8, Ontario, Canada        |          |                          |       |
| 1539        | Ground Flax Screenings                                | 11.07    | 15.00                    | 15.75 |
|             | WOLF SAVITSKY & SONS, INC.<br>Shelton, Conn.          |          |                          |       |
| 2839        | Wolf's Broiler Finisher Medicated                     | 11.91    | 19.00                    | 20.38 |
| 1811        | Wolf's Calf Milk Replacer                             | 7.67     | 28.00                    | 30.50 |
| 2815        | Wolf's Complete Hi-Eff Egg Breeder Mash Medicated     | 11.22    | 16.00                    | 18.00 |
| 3127        | Wolf's Complete Hi-Eff Profit Builder Medicated       | 12.34    | 16.00                    | 17.50 |
| 1805        | Wolf's 14% Dairy Ration                               | 13.37    | 14.00                    | 16.13 |
| 2090        | Wolf's 16% Dairy Ration                               | 11.59    | 16.00                    | 17.88 |
| 1806        | Wolf's Egg Mash                                       | 12.56    | 20.00                    | 20.88 |
| 1809        | Wolf's Horse Feed                                     | 13.91    | 12.00                    | 13.88 |
| 1808        | Wolf's Perfor Mo-Las                                  | 12.50    | 10.00                    | 13.63 |
| 2477        | Wolf's 16% Test Ration                                | 11.55    | 16.00                    | 17.63 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |             | Fiber                    |       | Medicants                                         |
|--------------------------|-------------|--------------------------|-------|---------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                   |
| 3.00                     | 3.03        | 15.00                    | 13.67 |                                                   |
| 4.00                     | <u>3.39</u> | 8.00                     | 3.61  |                                                   |
| 2.50                     | 3.38        | 30.00                    | 24.33 |                                                   |
| 3.00                     | 4.91        | 27.00                    | 17.81 |                                                   |
| 4.00                     | 5.14        | 11.00                    | 10.12 |                                                   |
| 4.00                     | 4.25        | 9.50                     | 8.92  |                                                   |
| 10.00                    | 10.30       | 15.00                    | 10.43 |                                                   |
| 3.00                     | 2.96        | 4.00                     | 3.74  | Arsanilic acid:Guar., 0.009%;<br>found, 0.0096%.  |
| 10.00                    | 12.46       | 3.00                     | 2.06  |                                                   |
| 3.00                     | 3.56        | 4.00                     | 3.46  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0099%. |
| 3.00                     | 3.43        | 4.00                     | 3.88  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0095%. |
| 3.00                     | 3.65        | 9.00                     | 5.70  |                                                   |
| 3.00                     | 3.84        | 10.00                    | 6.05  |                                                   |
| 3.00                     | 3.19        | 5.00                     | 3.46  |                                                   |
| 2.75                     | 3.80        | 10.00                    | 7.73  |                                                   |
| 2.00                     | 3.79        | 16.00                    | 10.44 |                                                   |
| 3.00                     | 3.16        | 9.00                     | 5.77  |                                                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| No.<br>Station<br>No. | Manufacturer and brand                                                | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|-----------------------|-----------------------------------------------------------------------|---------------|-------------------------------------|-------|
|                       |                                                                       |               | Guaran-<br>teed not<br>less<br>than | Found |
|                       | SCHOENECK FARMS, INC.<br>Nazareth, Pa.                                |               |                                     |       |
| 2179                  | Schoeneck's Super Green<br>Dehydrated Alfalfa Meal                    | 7.14          | 17.00                               | 16.13 |
|                       | SEABOARD SUPPLY CO.<br>Philadelphia, Pa.                              |               |                                     |       |
| 2514                  | Dried Tomato Pomace                                                   | 12.08         | 20.00                               | 20.00 |
|                       | SEA-BORN MINERAL, DIV. of<br>SKOD CO., Greenwich, Conn.               |               |                                     |       |
| 2234                  | Sea-Born                                                              | 13.41         | 5.00                                | 5.25  |
|                       | SEAFORTH MILLING CO.,<br>LTD., Montreal-Winnipeg-<br>Keewatin, Canada |               |                                     |       |
| 1608                  | Tip Top Ground Grain Screen-<br>ings                                  | 12.03         | 11.00                               | 13.00 |
|                       | SEYMOUR GRAIN & COAL CO.<br>Seymour, Conn.                            |               |                                     |       |
| 2771                  | Miracle Broiler-Starter<br>Medicated                                  | 11.15         | 22.50                               | 22.88 |
|                       |                                                                       |               |                                     |       |
| 1607                  | Miracle Dairy 16%                                                     | 14.00         | 16.00                               | 16.38 |
| 1606                  | Miracle Fitting Ration                                                | 13.77         | 14.00                               | 14.25 |
| 1604                  | Miracle Hi-Energy All Mash<br>Layer                                   | 12.61         | 16.50                               | 16.75 |
| 2418                  | Miracle Hi-Q 16% Dairy                                                | 13.23         | 16.00                               | 15.25 |
| 2422                  | Miracle Hi-Q 18%                                                      | 13.33         | 18.00                               | 18.25 |
| 2419                  | Miracle Hog Finisher Ration                                           | 12.14         | 12.00                               | 13.25 |
| 2405                  | Miracle Horse Feed                                                    | 12.19         | 10.00                               | 10.38 |
| 1605                  | Miracle 20% Laying Mash                                               | 12.30         | 20.00                               | 20.13 |
| 1613                  | Miracle Pig Grower                                                    | 12.71         | 13.50                               | 14.50 |
| 2396                  | Miracle Scratch Feed                                                  | 12.79         | 10.00                               | 11.00 |
| 2421                  | Pasture Mix                                                           | 11.13         | 9.00                                | 9.38  |
| 2403                  | See-More Milk Dairy Ration 18%                                        | 11.02         | 18.00                               | 18.38 |
| 1615                  | See-More Milk Dairy Ration 20%                                        | 13.87         | 20.00                               | 21.00 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Guaran-<br>teed not<br>less<br>than | Fat   |                                     | Fiber |  | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|--|-----------|
|                                     | Found | Guaran-<br>teed not<br>more<br>than | Found |  |           |
| 2.00                                | 2.86  | 27.00                               | 27.01 |  |           |
| 10.00                               | 11.37 | 34.00                               | 28.95 |  |           |
| 2.00                                | 3.56  | 8.00                                | 2.92  |  |           |
| 2.50                                | 3.39  | 14.00                               | 12.60 |  |           |
| 3.50                                | 4.66  | 4.00                                | 2.96  | Sulfaquinoxaline:Guar., 0.0175%;<br>found, 0.0120%. 3-Nitro-4-<br>hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.0056%. |           |
| 3.00                                | 4.88  | 9.00                                | 6.04  |  |           |
| 3.00                                | 4.39  | 8.00                                | 7.70  |  |           |
| 4.25                                | 6.57  | 4.75                                | 4.59  |  |           |
| 4.00                                | 3.18  | 4.00                                | 2.53  |  |           |
| 4.00                                | 2.39  | 4.00                                | 2.57  |  |           |
| 3.50                                | 4.97  | 5.00                                | 4.19  |  |           |
| 3.00                                | 3.16  | 9.00                                | 5.45  |  |           |
| 3.00                                | 5.03  | 6.50                                | 5.10  |  |           |
| 3.50                                | 4.43  | 5.50                                | 4.55  |  |           |
| 2.50                                | 3.15  | 6.00                                | 3.13  |  |           |
| 2.50                                | 2.30  | 20.00                               | 15.11 |  |           |
| 3.00                                | 3.31  | 9.50                                | 5.86  |  |           |
| 3.00                                | 3.38  | 9.50                                | 5.88  |  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
|             | THE SHERWIN-WILLIAMS CO.<br>Cleveland, Ohio                       |          |                          |       |
| 2228        | Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted)         | 12.04    | 34.00                    | 35.13 |
| 2424        | Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted)         | 12.25    | 34.00                    | 35.75 |
| 2149        | Sherwin-Williams 44% Protein Soybean Oil Meal (Solvent Extracted) | 10.47    | 44.00                    | 49.50 |
|             | A. E. STALEY MANUFACTURING CO., Decatur, Ill.                     |          |                          |       |
| 2231        | Staley 44% Protein Solvent Extracted Soybean Oil Meal             | 11.00    | 44.00                    | 45.63 |
|             | SUNI CITRUS PRODUCTS CO.<br>Haines City, Fla.                     |          |                          |       |
| 2257        | Suni Citrolas Crumbles  | 10.65    | 6.25                     | 6.88  |
| 2404        | Sweet Suni-Citrus Pulp  | 9.34     | 6.00                     | 6.00  |
|             | SUNSHINE BISCUITS, INC.<br>Grafton, Ohio                          |          |                          |       |
| 2525        | UMC Wheat Bran-Pure Wheat Bran                                    | 12.54    | 13.00                    | 13.88 |
| 2202        | UMC Wheat Middlings with Ground Screenings                        | 11.89    | 14.00                    | 15.13 |
|             | SWIFT & CO.<br>Fostoria, Ohio                                     |          |                          |       |
| 1618        | Swift's 44% Protein Solvent Extracted Soybean Oil Meal            | 13.03    | 44.00                    | 51.50 |
| 1514        | Swift's 50% Protein Dehulled Solvent Extracted Soybean Oil Meal   | 12.05    | 50.00                    | 51.63 |
|             | ULTRA-LIFE LABORATORIES,<br>INC., East St. Louis, Ill.            |          |                          |       |
| 2416        | Ultra-Lifed Calf Food Pellets<br>Medicated                        | 9.97     | 24.00                    | 26.13 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |              | Fiber                    |                | Medicants |
|--------------------------|--------------|--------------------------|----------------|-----------|
| Guaranteed not less than | Found        | Guaranteed not more than | Found          |           |
| 0.50                     | 1.75         | 10.00                    | 7.85           |           |
| 0.50                     | 2.14         | 10.00                    | 7.71           |           |
| 0.50                     | 0.81         | 7.00                     | 5.00           |           |
| 0.50                     | 2.29         | 7.00                     | 5.15           |           |
| 2.50<br>3.00             | 1.72<br>3.31 | 15.75<br>15.75           | 13.68<br>12.58 |           |
| 3.00                     | 3.31         | 11.00                    | 5.09           |           |
| 3.50                     | 4.19         | 9.50                     | 7.91           |           |
| 0.50                     | 0.82         | 7.00                     | 2.48           |           |
| 0.50                     | 0.99         | 3.00                     | 2.85           |           |
| 3.00                     | 3.03         | 7.00                     | 5.94           |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------------------|----------|--------------------------|-------|
|             |                                                       |          | Guaranteed not less than | Found |
| 2400        | 34% Protein Solvent Extracted Linseed Oil Meal        | 12.32    | 34.00                    | 35.75 |
| 2402        | Ultra Brand Poul-Centrate                             | 10.77    | 16.50                    | 20.00 |
| 3121        | Ultra-Life Broiler-Gro Medicated                      | 10.84    | 25.00                    | 29.38 |
| 1614        | Ultra-Life High Energy Poultry                        | 11.21    | 20.00                    | 22.75 |
| 2417        | Ultra-Life Livestock                                  | 8.30     | 24.00                    | 26.75 |
|             | UNITED CO-OPERATIVE FARMERS, INC.<br>Fitchburg, Mass. |          |                          |       |
| 2459        | UCF Booster NF 100 Medicated                          | 10.75    | 17.00                    | 17.88 |
| 2117        | UCF 16% Dairy                                         | 11.57    | 16.00                    | 16.88 |
| 2114        | UCF 16% Dairy Coarse                                  | 11.74    | 16.00                    | 17.50 |
| 2144        | UCF 18% Dairy                                         | 11.43    | 18.00                    | 20.00 |
| 2115        | UCF 20% Dairy                                         | 11.71    | 20.00                    | 20.00 |
| 2116        | UCF Fitting Ration                                    | 12.09    | 14.00                    | 15.88 |
| 2562        | UCF Hi NRG All Mash Grower                            | 12.33    | 16.00                    | 16.00 |
| 2113        | UCF Hi NRG All Mash Layer                             | 11.39    | 16.50                    | 17.63 |
| 2762        | UCF Hi NRG Starter Medicated                          | 11.42    | 20.00                    | 21.50 |
| 2142        | UCF Horse Feed                                        | 12.74    | 9.00                     | 11.75 |
| 2112        | UCF Layer                                             | 11.83    | 20.00                    | 20.63 |
| 2589        | UCF Medicated Booster 100                             | 11.51    | 17.00                    | 17.00 |
|             |                                                       |          |                          |       |
| 2118        | UCF Medicated Booster 200                             | 11.47    | 17.00                    | 18.00 |
| 2137        | UCF Milk Replacer                                     | 8.94     | 20.00                    | 20.75 |
| 2143        | UCF Pig & Hog Feed                                    | 10.97    | 20.00                    | 21.38 |
| 2563        | UCF Succulent Dairy                                   | 10.85    | 9.00                     | 11.00 |
|             | UNITY FEEDS INC.<br>Boston, Mass.                     |          |                          |       |
| 2263        | Unity Dairy & Fitting Ration                          | 12.75    | 14.00                    | 14.38 |
| 2264        | Unity 16% Dairy Ration                                | 12.69    | 16.00                    | 18.25 |
| 2265        | Unity Growing & Laying Mash                           | 11.52    | 20.00                    | 20.00 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than |       |   |
| 0.50                     | 1.39  | 10.00                    | 8.21  |   |
| 5.50                     | 6.16  | 5.00                     | 4.34  |   |
| 5.00                     | 4.93  | 7.00                     | 5.76  | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.4%; found, 0.162%.   |
| 7.00                     | 6.69  | 5.50                     | 5.05  |   |
| 1.00                     | 0.74  | 5.50                     | 3.61  |   |
|                          |       |                          |       |   |
| 4.00                     | 4.59  | 4.50                     | 3.03  | Furazolidone:Guar., 0.011%; found, 0.0124%.   |
| 3.00                     | 3.93  | 9.00                     | 7.03  |   |
| 3.00                     | 3.31  | 9.00                     | 6.83  |   |
| 3.00                     | 3.34  | 9.00                     | 6.89  |   |
| 3.00                     | 3.31  | 9.00                     | 6.99  |   |
| 3.00                     | 3.71  | 9.00                     | 6.81  |   |
| 4.00                     | 4.04  | 4.00                     | 3.35  |   |
| 4.50                     | 5.13  | 3.50                     | 1.98  |   |
| 4.00                     | 3.98  | 4.00                     | 3.91  | Sulfaquinoxaline:Guar., 0.0150%; found, 0.0144%.  |
| 3.00                     | 3.40  | 9.00                     | 4.33  |   |
| 5.00                     | 5.34  | 5.00                     | 4.03  |   |
| 4.00                     | 5.37  | 4.50                     | 2.74  | Bifuran:Guar., 0.0063%; found, 0.0096%. Chlortetra-cycline hydrochloride:Guar., 0.025 gm/lb.; not determined. Bacitracin:Guar., 0.025 gm/lb.; not determined. |
| 4.00                     | 5.09  | 4.50                     | 3.01  | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined  |
| 2.00                     | 2.63  | 2.00                     | 2.46  |   |
| 3.00                     | 3.09  | 7.00                     | 5.50  |   |
| 2.00                     | 3.29  | 17.00                    | 13.11 |   |
|                          |       |                          |       |   |
| 3.50                     | 3.89  | 9.00                     | 6.95  |   |
| 3.50                     | 3.58  | 9.00                     | 6.49  |   |
| 3.00                     | 3.66  | 6.00                     | 5.50  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--|----------|--------------------------|-------|
|             |  |          | Guaranteed not less than | Found |
| 1961        | Unity High Energy Breeder Mash                       | 11.63    | 16.00                    | 16.75 |
| 2266        | Unity High Energy Laying Mash                        | 11.60    | 15.00                    | 15.75 |
| 2469        | Unity Medicated Booster                              | 11.22    | 20.00                    | 21.25 |
| 2646        | Unity Medicated Hen-Biotic                           | 10.29    | 16.00                    | 16.00 |
| 2262        | Unity Milkets  | 11.88    | 16.00                    | 17.75 |
| 2983        | Unity Super Starter Medicated                        | 11.35    | 20.00                    | 20.00 |
| 3120        | Unity Trim Medicated                                 | 11.75    | 15.50                    | 16.00 |
| 2267        | Unity Turkey & Game Bird Growing Mash                | 11.59    | 20.00                    | 20.50 |
|             | UNIVERSAL GRAIN CO. of N. J., Newark, N. J.          |          |                          |       |
| 1870        | Superior Cow Brand Brewers Dried Grains              | 7.98     | 26.00                    | 28.50 |
|             | WATERTOWN CO-OPERATIVE ASS'N. INC., Watertown, Conn. |          |                          |       |
| 1927        | Watertown Co-op 16% Dairy Feed                       | 11.98    | 16.00                    | 16.50 |
| 2204        | Watertown Co-op 16% Dairy Feed                       | 11.33    | 16.00                    | 16.63 |
|             | H. K. WEBSTER CO. Lawrence, Mass.                    |          |                          |       |
| 1952        | Blue Seal All-Mash Breeder's Ration                  | 11.98    | 16.00                    | 16.00 |
| 1548        | Blue Seal All-Mash Egg Ration                        | 13.43    | 16.00                    | 17.25 |
| 2774        | Blue Seal All-Mash Egg Ration Medicated              | 12.06    | 16.00                    | 16.00 |
| 2775        | Blue Seal All-Mash Grow & Lay Medicated              | 10.69    | 16.00                    | 16.00 |
| 1627        | Blue Seal All-Mash Growing Ration                    | 12.92    | 16.00                    | 16.63 |
| 2711        | Blue Seal All-Mash Growing Ration Medicated          | 11.99    | 16.00                    | 16.50 |

~~~~~ indicates deficiencies

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                           |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than |       |                                                                     |
| 3.00                     | 5.44  | 4.00                     | 3.08  |                                                                     |
| 3.50                     | 3.96  | 4.00                     | 3.71  |                                                                     |
| 3.00                     | 5.01  | 4.50                     | 2.31  | Chlortetracycline hydrochloride: Guar., 200 gm/ton; not determined. |
| 3.00                     | 4.78  | 4.00                     | 3.08  | Terramycin hydrochloride: Guar., 200 gm/ton; not determined.        |
| 3.50                     | 4.74  | 9.00                     | 7.49  |                                                                     |
| 3.00                     | 4.25  | 4.00                     | 2.46  | Nicarbazin: Guar., 0.010%; found, 0.0120%.                          |
| 3.00                     | 4.00  | 6.00                     | 3.71  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. |
| 3.00                     | 3.81  | 5.00                     | 3.54  |                                                                     |
| 6.00                     | 5.91  | 17.00                    | 12.36 |                                                                     |
| 4.00                     | 4.40  | 9.00                     | 6.74  |                                                                     |
| 4.00                     | 5.64  | 9.00                     | 6.68  |                                                                     |
| 3.50                     | 4.73  | 3.50                     | 2.88  |                                                                     |
| 4.00                     | 4.36  | 3.50                     | 3.02  |                                                                     |
| 4.00                     | 4.01  | 3.50                     | 2.49  | Arsanilic acid: Guar., 0.01%; found, 0.0115%.                       |
| 4.00                     | 4.09  | 4.50                     | 3.52  | Arsanilic acid: Guar., 0.01%; found, 0.0112%.                       |
| 3.00                     | 3.94  | 3.50                     | 3.50  |                                                                     |
| 3.00                     | 4.51  | 3.50                     | 2.85  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0175%.                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                         | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------|----------|--------------------------|-------|
|             |                                                |          | Guaranteed not less than | Found |
| 2767        | Blue Seal All-Mash Growing Ration SQ Medicated | 11.54    | 16.00                    | 16.38 |
| 3020        | Blue Seal B-4 Broiler Medicated                | 10.01    | 23.00                    | 21.75 |
| 2138        | Blue Seal Calf Starter                         | 11.49    | 19.00                    | 19.13 |
| 2287        | Blue Seal Chick Feed                           | 13.64    | 10.00                    | 10.50 |
| 2766        | Blue Seal Chick Starter Medicated              | 10.81    | 20.00                    | 20.25 |
| 1543        | Blue Seal Coarse 16 Dairy Ration               | 12.85    | 16.00                    | 17.25 |
| 2078        | Blue Seal Coarse 20 Dairy Ration               | 11.19    | 20.00                    | 20.50 |
| 1544        | Blue Seal Egg Mash                             | 12.87    | 20.00                    | 20.13 |
| 2081        | Blue Seal Fat & Finish Ration                  | 11.12    | 18.00                    | 18.75 |
| 3021        | Blue Seal B-5 Finisher Medicated               | 9.71     | 20.00                    | 20.50 |
| 1331        | Blue Seal Fitting Ration                       | 13.84    | 14.00                    | 15.88 |
| 2237        | Blue Seal Goat Feed                            | 11.03    | 16.00                    | 16.00 |
| 2197        | Blue Seal Horse Feed                           | 12.98    | 10.00                    | 12.25 |
| 2588        | Blue Seal Medicated NF-Mix                     | 11.11    | 20.00                    | 20.13 |
| 2569        | Blue Seal Medicated ORO Mix                    | 10.50    | 20.00                    | 21.13 |
| 1542        | Blue Seal Milkers' Sixteen                     | 12.66    | 16.00                    | 16.63 |
| 2835        | Blue Seal Pig Feed Medicated                   | 11.82    | 15.00                    | 15.75 |
| 2285        | Blue Seal Producer's Grow & Lay                | 10.74    | 20.00                    | 21.63 |
| 2809        | Blue Seal Rabbit Pellets Medicated             | 10.70    | 20.00                    | 20.63 |
| 2288        | Blue Seal Standard "14" Fitting Ration         | 11.66    | 14.00                    | 15.88 |
| 2082        | Blue Seal Standard Dairy Ration                | 11.52    | 16.00                    | 16.88 |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 4.00                     | 4.39  | 3.50                     | 3.45  | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0151%. Arsanilic acid:Guar., 0.01%; found, <u>0.0145%</u> . |
| 4.50                     | 5.38  | 3.00                     | 2.72  | Nicarbazin:Guar., 0.0125%; found, 0.0132%. Arsanilic acid:Guar., 0.01%; found, 0.0118%.               |
| 3.00                     | 3.41  | 8.00                     | 6.50  |   |
| 3.50                     | 2.50  | 4.00                     | 1.37  |   |
| 3.50                     | 4.29  | 4.50                     | 3.78  | Sulfaquinoxaline:Guar., 0.0175%; found, <u>0.0011%</u> . Arsanilic acid:Guar., 0.01%; found 0.0118%.  |
| 3.00                     | 3.98  | 8.50                     | 8.00  |   |
| 3.00                     | 4.23  | 8.00                     | 6.96  |   |
| 3.50                     | 3.54  | 3.50                     | 3.42  |   |
| 4.50                     | 4.54  | 3.50                     | 2.80  |   |
| 4.50                     | 6.94  | 3.00                     | 2.65  | Nicarbazin:Guar., 0.0125%; found, 0.0134%. Arsanilic acid:Guar., 0.01%; found, 0.0117%.               |
| 3.00                     | 4.62  | 9.00                     | 7.50  |   |
| 3.50                     | 4.18  | 9.00                     | 7.80  |   |
| 3.00                     | 3.46  | 9.00                     | 6.31  |   |
| 3.50                     | 4.18  | 3.50                     | 2.82  | Furazolidone:Guar., 0.022%; found, 0.0224%.   |
| 3.50                     | 3.76  | 3.50                     | 3.01  | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined.                                    |
| 3.00                     | 3.98  | 8.50                     | 7.45  |   |
| 4.00                     | 4.04  | 6.00                     | 4.07  | Arsanilic acid:Guar., 0.01%; found, 0.0112%.  |
| 3.50                     | 3.61  | 6.00                     | 4.61  |   |
| 3.00                     | 3.20  | 12.00                    | 8.05  | Arsanilic acid:Guar., 0.01%; found, 0.0109%.  |
| 3.50                     | 3.63  | 9.00                     | 7.45  |   |
| 3.50                     | 4.22  | 8.50                     | 7.78  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                    | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|---|----------|--------------------------|--------------|
|             |   |          | Guaranteed not less than | Found        |
| 1626        | Blue Seal Standard 20 Dairy Ration        | 12.25    | 20.00                    | 20.13        |
| 1414        | Blue Seal Succulent Feed & Calving Ration | 13.84    | 12.00                    | 12.38        |
| 2139        | Blue Seal Super Breeder's Mash            | 11.32    | 20.00                    | 21.38        |
| 1899        | Blue Seal Test Ration                     | 11.31    | 18.00                    | 18.25        |
| 2080        | Blue Seal Turkey Growing                  | 10.78    | 20.00                    | 20.63        |
| 2444        | Blue Seal Turkey Growing Medicated        | 10.82    | 20.00                    | 20.75        |
|             | WEST - NESBITT, INC.<br>Oneonta, N. Y.    |          |                          |              |
| 1519        | All Pure Milk Ration                      | 12.15    | 20.00                    | 21.75        |
| 1522        | Cream-Line Dairy-Test Ration              | 12.80    | 18.00                    | 18.25        |
| 2988        | Pure Feed Broiler Finisher Medicated      | 10.66    | 19.50                    | 20.25        |
| 3027        | Pure Feed Broiler Starter Medicated       | 10.69    | 22.00                    | 23.63        |
| 2189        | Pure Feed Complete Grower                 | 11.51    | 14.00                    | 14.88        |
| 1407        | Pure Feed Complete Layer                  | 12.87    | 17.00                    | 18.25        |
| 1406        | Pure Feed Complete Rabbit Pellets         | 12.32    | 16.00                    | 17.50        |
| 1520        | Pure Feed Egg & Breeder                   | 11.34    | 22.00                    | 22.38        |
| 1405        | Pure Feed Egg Maker                       | 12.65    | 20.00                    | 20.00        |
| 1521        | Pure Feed 14% Fitting Ration              | 13.96    | 14.00                    | 15.50        |
| 2190        | Pure Feed Grower                          | 11.51    | 18.00                    | 18.00        |
| 2188        | Pure Feed Horse Ration                    | 12.51    | 9.00                     | 10.88        |
| 2591        | Pure Feed Starter-Medicated               | 11.17    | 20.00                    | 20.63        |
| 1523        | Pure Feed Turkey Finisher                 | 12.09    | 16.00                    | 16.50        |
| 1524        | Pure Feed Turkey Grower                   | 12.21    | 20.00                    | 20.50        |
| 2715        | Pure Feed Turkey Starter Medicated        | 10.64    | 28.00                    | <u>27.00</u> |
| 2191        | West-Nesbitt Milk Replacer                | 4.27     | 21.00                    | 22.50        |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Guaran-<br>teed not<br>less<br>than | Fat   |                                     | Fiber |                                                                                                     | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------|-----------|
|                                     | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                     |           |
| 3.00                                | 3.73  | 8.00                                | 7.41  |                                                                                                     |           |
| 2.00                                | 3.02  | 16.00                               | 14.29 |                                                                                                     |           |
| 4.00                                | 3.93  | 3.50                                | 2.52  |                                                                                                     |           |
| 3.00                                | 4.08  | 8.50                                | 7.32  |                                                                                                     |           |
| 4.50                                | 5.10  | 4.00                                | 2.84  |                                                                                                     |           |
| 4.50                                | 4.68  | 4.00                                | 2.98  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found <u>0.0175%</u> .                                 |           |
| 3.50                                | 3.50  | 10.00                               | 6.48  |                                                                                                     |           |
| 3.50                                | 4.36  | 8.50                                | 6.32  |                                                                                                     |           |
| 3.50                                | 3.44  | 4.00                                | 3.06  | Nicarbazin:Guar., 0.0125%;<br>found, 0.0130%. Arsanilic<br>acid:Guar., 0.0095%; found,<br>0.0081%.  |           |
| 3.50                                | 3.31  | 4.00                                | 3.07  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0148%. Arsanilic<br>acid:Guar., 0.0095%; found,<br>0.0081%. |           |
| 3.00                                | 4.26  | 8.00                                | 4.66  |                                                                                                     |           |
| 3.00                                | 4.06  | 4.50                                | 3.26  |                                                                                                     |           |
| 3.00                                | 4.44  | 15.00                               | 8.64  |                                                                                                     |           |
| 3.00                                | 4.89  | 5.00                                | 3.99  |                                                                                                     |           |
| 3.00                                | 3.81  | 6.50                                | 4.10  |                                                                                                     |           |
| 3.50                                | 3.87  | 8.50                                | 5.61  |                                                                                                     |           |
| 3.00                                | 4.66  | 5.00                                | 3.91  |                                                                                                     |           |
| 3.00                                | 2.51  | 11.00                               | 6.53  |                                                                                                     |           |
| 3.00                                | 4.00  | 5.00                                | 3.11  | Glycarblymide:Guar., 0.003%;<br>found, 0.0032%.                                                     |           |
| 3.00                                | 4.69  | 6.00                                | 4.90  |                                                                                                     |           |
| 3.00                                | 3.88  | 5.00                                | 4.00  |                                                                                                     |           |
| 3.00                                | 3.70  | 5.50                                | 3.07  | Sulfaquinoxaline:Guar., 0.0175%;<br>found, 0.0160%.                                                 |           |
| 8.50                                | 8.61  | 0.50                                | 0.28  |                                                                                                     |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                 | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------------------|----------|--------------------------|-------|
|             |                                                        |          | Guaranteed not less than | Found |
|             | A. C. WETHERELL<br>Suffield, Conn.                     |          |                          |       |
| 2299        | Special Dairy Mixture No. 3                            | 12.61    | 16.00                    | 16.00 |
|             | WHITMOYER LABORATORIES<br>INC., Myerstown, Pa.         |          |                          |       |
| 1801        | Flav-A-Dee                                             | 8.77     | 38.00                    | 41.50 |
|             | WILKINS-ROGERS MILLING<br>CO., INC., Washington, D. C. |          |                          |       |
| 2475        | Pure Wheat Bran                                        | 11.26    | 14.00                    | 14.50 |
|             | WILSON'S CORN PRODUCTS,<br>INC., Rochester, Ind.       |          |                          |       |
| 1319        | Wilson Hominy Feed                                     | 15.58    | 9.50                     | 10.13 |
|             | WIRTHMORE FEEDS INC.<br>Waltham, Mass.                 |          |                          |       |
| 1421        | Apex 16% Dairy Feed                                    | 14.22    | 16.00                    | 17.25 |
| 1982        | Big W 16 Dairy Feed                                    | 12.54    | 16.00                    | 16.50 |
| 1401        | Davis Horse Feed                                       | 15.97    | 9.50                     | 10.00 |
| 2430        | O. P. M. Scratch                                       | 12.81    | 9.00                     | 9.00  |
| 2083        | Wirthmore All Pellet 16% Dairy<br>Feed                 | 10.50    | 16.00                    | 18.38 |
| 1928        | Wirthmore All-Pellet 20% Dairy<br>Feed                 | 11.28    | 20.00                    | 21.00 |
| 2564        | Wirthmore Breeder Mash                                 | 11.39    | 20.00                    | 21.00 |
| 3030        | Wirthmore Broiler Starter 410<br>Medicated             | 10.36    | 25.00                    | 25.00 |
|             |                                                        |          |                          |       |
| 2203        | Wirthmore Calf Starter Meal                            | 10.27    | 22.00                    | 23.13 |
| 1427        | Wirthmore Calving Feed                                 | 14.24    | 14.00                    | 15.00 |
| 2205        | Wirthmore Chick Starter                                | 11.15    | 20.00                    | 21.75 |
| 2714        | Wirthmore Chick Starter 400<br>Medicated               | 11.47    | 20.00                    | 20.00 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 3.50                     | 3.16  | 9.00                     | 6.96  |  |
| 9.00                     | 10.68 | 5.00                     | 3.49  |  |
| 3.00                     | 4.14  | 10.00                    | 8.40  |  |
| 6.50                     | 6.25  | 6.00                     | 4.46  |  |
| 3.00                     | 3.70  | 9.00                     | 2.07  |  |
| 3.00                     | 3.28  | 10.00                    | 7.56  |  |
| 2.50                     | 2.65  | 11.00                    | 8.04  |  |
| 3.00                     | 4.06  | 5.00                     | 2.33  |  |
| 4.00                     | 5.79  | 9.00                     | 7.40  |  |
| 4.00                     | 3.84  | 9.00                     | 5.52  |  |
| 3.50                     | 4.97  | 5.50                     | 4.85  |  |
| 8.00                     | 7.28  | 3.50                     | 3.02  | Nicarbazin:Guar., 0.0125%; found, 0.0144%. Sodium arsanilate:Guar., 0.0088%; found, 0.0084%. |
| 4.00                     | 4.49  | 7.00                     | 4.62  |  |
| 3.50                     | 3.31  | 9.00                     | 5.31  |  |
| 4.00                     | 4.19  | 5.00                     | 4.77  |  |
| 4.00                     | 4.91  | 5.00                     | 4.34  | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0180%.   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
| 2597        | Wirthmore Chick Starter 417<br>Medicated                            | 12.17    | 20.00                    | 20.00 |
| 2207        | Wirthmore Coarse Test Dairy<br>Feed                                 | 12.31    | 16.00                    | 18.38 |
| 488         | Wirthmore Coccidiosis Treat-<br>ment Ration 411                     | 12.01    | 22.00                    | 21.25 |
| 2765        | Wirthmore Coccidiosis Treat-<br>ment Ration 411                     | 10.30    | 22.00                    | 22.00 |
| 2565        | Wirthmore Commercial<br>Grower-Layer                                | 11.84    | 16.00                    | 17.00 |
| 3032        | Wirthmore Commercial Hi<br>Calorie Broiler Starter<br>610 Medicated | 9.70     | 25.00                    | 25.00 |
| 3031        | Wirthmore Commercial Hi-<br>Ener-G Broiler Ration 613<br>Medicated  | 11.69    | 22.00                    | 23.13 |
| 1425        | Wirthmore Complete Breeder-<br>Layer A                              | 12.78    | 16.00                    | 17.88 |
| 1703        | Wirthmore Complete Egg Ration                                       | 17.23    | 16.00                    | 16.50 |
| 2712        | Wirthmore Complete Egg Ration<br>412 Medicated                      | 10.91    | 16.00                    | 18.25 |
| 1517        | Wirthmore Complete Growing<br>Ration                                | 11.25    | 13.50                    | 15.88 |
| 2723        | Wirthmore Complete Growing<br>Ration 409 Medicated                  | 10.51    | 13.50                    | 14.25 |
| 1824        | Wirthmore Complete Turkey<br>Fattening Ration                       | 12.41    | 15.00                    | 15.38 |
| 1516        | Wirthmore Complete Turkey<br>Growing Ration                         | 12.62    | 18.00                    | 19.00 |
| 3124        | Wirthmore Complete Turkey<br>Growing Ration 442 Medicated           | 11.88    | 18.00                    | 19.00 |

~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                                 |             | Fiber                               |       | Medicants                                                                                             |
|-------------------------------------|-------------|-------------------------------------|-------|-------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                       |
| 4.00                                | 4.41        | 5.00                                | 3.37  | Bithionol:Guar., 0.05%;<br>found, 0.041%. Methiotriaza-<br>mine:Guar., 0.01%; not<br>determined       |
| 4.00                                | 4.01        | 8.00                                | 6.94  |                                                                                                       |
| 5.50                                | 5.56        | 4.00                                | 2.92  | Sulfaquinoxaline:Guar.,<br>0.05%; found, <u>0.0262%</u> .                                             |
| 5.50                                | 5.49        | 4.00                                | 3.96  | Sulfaquinoxaline:Guar.,<br>0.05%; found, 0.042%.                                                      |
| 3.50                                | <u>3.24</u> | 4.50                                | 3.73  |                                                                                                       |
| 8.00                                | <u>5.92</u> | 3.00                                | 2.90  | Nicarbazin:Guar., 0.0125%;<br>found, 0.0150%. Sodium<br>arsanilate:Guar., 0.0088%;<br>found, 0.0085%. |
| 5.50                                | 5.46        | 3.50                                | 2.68  | Nicarbazin:Guar., 0.0125%;<br>found, 0.0116%. Sodium<br>arsanilate:Guar., 0.0088%;<br>found 0.0081%.  |
| 3.50                                | 4.21        | 5.00                                | 3.84  |                                                                                                       |
| 3.50                                | 3.73        | 4.50                                | 4.43  |                                                                                                       |
| 3.50                                | 4.03        | 4.50                                | 4.12  | Sulfaquinoxaline:Guar.,<br>0.0125%; found 0.0145%.                                                    |
| 3.00                                | 3.97        | 7.00                                | 5.33  |                                                                                                       |
| 3.00                                | 3.16        | 7.00                                | 5.97  | Sulfaquinoxaline:Guar.,<br>0.0125%; found, <u>0.0259%</u> .                                           |
| 3.00                                | 4.45        | 5.00                                | 3.85  |                                                                                                       |
| 3.00                                | 4.23        | 5.50                                | 4.61  |                                                                                                       |
| 3.00                                | 4.25        | 5.50                                | 4.74  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, <u>0.0175%</u>                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                      | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                             |          | Guaranteed not less than | Found |
| 1723        | Wirthmore 14 Dairy Feed                                                     | 12.98    | 14.00                    | 15.00 |
| 1426        | Wirthmore 16 Dairy Feed                                                     | 14.04    | 16.00                    | 16.25 |
| 1929        | Wirthmore 20 Dairy Feed                                                     | 12.86    | 20.00                    | 23.00 |
| 2206        | Wirthmore 36% Dairy Mixing Feed                                             | 10.52    | 36.00                    | 39.25 |
| 1404        | Wirthmore Dairy Record Feed                                                 | 14.38    | 16.00                    | 18.75 |
| 3029        | Wirthmore .007 Dienestrol Diacetate Mixture in Wirthmore Finisher Medicated | 11.17    | 17.00                    | 19.00 |
| 1518        | Wirthmore Fodder Greens                                                     | 8.00     | 10.00                    | 9.00  |
| 1736        | Wirthmore Grow & Egg Mash                                                   | 11.49    | 20.00                    | 20.25 |
| 2842        | Wirthmore Hi-Ener-G Breeder Medicated                                       | 11.59    | 16.00                    | 18.13 |
| 2566        | Wirthmore Hi-Ener-G Broiler Ration 614                                      | 11.14    | 22.00                    | 22.38 |
| 2841        | Wirthmore Hi-Ener-G Layer Medicated 454                                     | 11.16    | 16.00                    | 17.50 |
| 1721        | Wirthmore Hi-Energy Layer 129                                               | 12.86    | 16.00                    | 16.88 |
| 1930        | Wirthmore Hog Grower                                                        | 12.58    | 15.00                    | 16.63 |
| 1735        | Wirthmore Horse Feed                                                        | 12.50    | 10.00                    | 11.75 |
| 3028        | Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated                   | 11.11    | 22.00                    | 24.13 |
| 1402        | Wirthmore Meatless Mink Food                                                | 11.86    | 12.00                    | 15.38 |
| 2085        | Wirthmore Medicated Quickies                                                | 11.04    | 20.00                    | 20.00 |
| 2084        | Wirthmore Medicated Quick Perk                                              | 11.21    | 20.00                    | 21.00 |
| 172         | Wirthmore Medicated Treat 431                                               | 11.62    | 20.00                    | 21.63 |
| 2298        | Wirthmore Milk Mizer                                                        | 8.83     | 28.00                    | 30.00 |
| 1403        | Wirthmore Mink Food                                                         | 11.69    | 23.00                    | 26.88 |
| 1821        | Wirthmore New Hope Horse Feed                                               | 12.79    | 12.00                    | 15.13 |
| 1974        | Wirthmore Pig & Sow Feed                                                    | 11.06    | 17.00                    | 17.00 |
| 2467        | Wirthmore Poultry Fitting                                                   | 14.24    | 11.50                    | 11.50 |
| 1734        | Wirthmore Rabbit Pellets                                                    | 11.26    | 17.00                    | 17.88 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 3.50                     | 3.79  | 9.00                     | 7.48  |  |
| 3.50                     | 3.29  | 9.00                     | 6.22  |  |
| 3.50                     | 4.01  | 9.00                     | 6.05  |  |
| 2.00                     | 2.16  | 9.00                     | 7.40  |  |
| 3.50                     | 3.70  | 8.50                     | 6.04  |  |
| 4.00                     | 5.09  | 4.50                     | 2.78  | Nicarbazin:Guar., 0.0125%; found, 0.0176%. Sodium arsanilate:Guar., 0.0088%; found, 0.0091%. Dienestrol diacetate:Guar., 0.007%; not determined. |
| 2.00                     | 3.04  | 20.00                    | 12.57 |  |
| 4.00                     | 4.59  | 5.00                     | 4.72  |  |
| 4.00                     | 4.16  | 4.50                     | 3.95  | Sodium arsanilate:Guar., 0.0088%; found, 0.0086%.  |
| 5.50                     | 6.31  | 3.50                     | 3.12  |  |
| 4.50                     | 4.41  | 4.50                     | 3.62  | Sodium arsanilate:Guar., 0.0088%; found 0.0093%.   |
| 4.50                     | 4.63  | 4.50                     | 3.91  |  |
| 4.00                     | 4.97  | 6.00                     | 4.58  |  |
| 3.50                     | 3.51  | 9.00                     | 5.59  |  |
| 5.50                     | 6.82  | 3.50                     | 3.49  | Nicarbazin:Guar., 0.0125%; found, 0.0120%. Sodium arsanilate:Guar., 0.0088%; found, 0.0088%.   |
| 6.00                     | 7.89  | 5.00                     | 2.84  |  |
| 3.50                     | 4.49  | 4.50                     | 3.79  | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined.   |
| 4.00                     | 6.20  | 5.00                     | 3.96  |  |
| 3.50                     | 5.40  | 4.50                     | 3.78  | Furazolidone:Guar., 0.022%; found, 0.0180%.  |
| 4.00                     | 4.98  | 2.25                     | 1.46  |  |
| 7.00                     | 9.26  | 4.00                     | 2.95  |  |
| 3.50                     | 3.59  | 6.00                     | 4.39  |  |
| 3.50                     | 4.09  | 6.00                     | 5.10  |  |
| 2.50                     | 2.88  | 6.50                     | 4.00  |  |
| 3.00                     | 3.09  | 11.00                    | 10.58 |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                        | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
| 1822        | Wirthmore 14 Record Fitting Feed              | 13.17    | 14.00                    | 14.88 |
| 1722        | Wirthmore Scratch                             | 14.02    | 9.00                     | 9.25  |
| 1823        | Wirthmore Stock Primer                        | 12.94    | 15.00                    | 16.63 |
| 1872        | Wirthmore Turkey Growing Ration               | 10.57    | 23.00                    | 23.00 |
| 3125        | Wirthmore Turkey Growing Ration 441 Medicated | 10.99    | 23.00                    | 25.00 |
| 2710        | Wirthmore Turkey Starter 419 Medicated        | 11.08    | 28.00                    | 29.38 |
| 2201        | Wirthmore Twin-Mix Calf Feed                  | 12.32    | 18.00                    | 21.88 |
|             | YANTIC GRAIN & PRODUCTS CO., Norwich, Conn.   |          |                          |       |
| 2254        | Big Y Calf & Beef Ration                      | 13.40    | 10.00                    | 12.50 |
| 558         | Big Y Calf Starter & Builder                  | 12.46    | 17.00                    | 18.63 |
| 2495        | Big Y Calving Ration                          | 11.19    | 14.00                    | 14.25 |
| 2308        | Big Y Chick Scratch Grain                     | 13.27    | 10.00                    | 10.63 |
| 1689        | Big Y Chlortetracycline (Aureomycin) Mixture  | 13.56    | 15.00                    | 16.75 |
| 1995        | Big Y Confinement Growing Mash                | 11.55    | 15.00                    | 18.13 |
| 1820        | Big Y Controlled Growing Ration               | 11.42    | 15.00                    | 15.13 |
| 1785        | Big Y Dairy & Fitting Ration                  | 14.36    | 14.00                    | 16.38 |
| 1993        | Big Y Dairy & Fitting Ration                  | 12.27    | 14.00                    | 14.88 |
| 1814        | Big Y 16% Dairy Ration                        | 13.52    | 16.00                    | 16.00 |
| 1690        | Big Y 16% Dairy Ration Extra-M                | 12.84    | 16.00                    | 18.13 |
| 2307        | Big Y 16% Dairy Ration Medicated              | 10.89    | 16.00                    | 18.88 |
| 1983        | Big Y Dairy Ration 18%                        | 12.64    | 18.00                    | 19.13 |
| 1987        | Big Y 20% Dairy Ration                        | 13.08    | 20.00                    | 20.50 |
| 1702        | Big Y Dairy Ration Purity                     | 12.53    | 16.00                    | 17.00 |
| 1692        | Big Y Energized 16 Dairy Feed                 | 13.11    | 16.00                    | 17.25 |
| 2810        | Big Y Extra Production Laying Mash Medicated  | 11.33    | 16.00                    | 16.00 |
| 1701        | Big Y Hi-Efficiency Laying Mash               | 12.25    | 16.00                    | 16.63 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |             | Fiber                    |       | Medicants                                                                 |
|--------------------------|-------------|--------------------------|-------|---------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                           |
| 3.50                     | 3.68        | 8.00                     | 4.93  |                                                                           |
| 2.50                     | 4.33        | 4.00                     | 3.50  |                                                                           |
| 3.00                     | 3.04        | 10.00                    | 5.88  |                                                                           |
| 3.50                     | 4.69        | 6.00                     | 5.73  |                                                                           |
| 3.50                     | 4.78        | 6.00                     | 5.13  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, <u>0.0118%</u> .      |
| 4.00                     | 4.24        | 5.50                     | 4.40  | Sulfaquinoxaline: Guar., 0.0175%;<br>found, 0.0168%.                      |
| 3.00                     | 3.30        | 8.00                     | 5.50  |                                                                           |
| 3.00                     | 4.08        | 9.00                     | 4.92  |                                                                           |
| 2.50                     | <u>2.08</u> | 7.50                     | 4.90  |                                                                           |
| 3.50                     | 3.44        | 11.00                    | 8.77  |                                                                           |
| 2.00                     | 2.81        | 4.00                     | 1.17  |                                                                           |
| 3.50                     | 4.13        | 5.00                     | 4.83  | Chlortetracycline hydrochloride: Guar., 100 grams/ton;<br>not determined. |
| 3.50                     | 4.44        | 5.00                     | 3.50  |                                                                           |
| 3.00                     | 3.43        | 10.00                    | 9.15  |                                                                           |
| 3.50                     | 3.52        | 9.00                     | 6.09  |                                                                           |
| 3.50                     | 4.01        | 9.00                     | 8.59  |                                                                           |
| 3.50                     | 3.88        | 8.50                     | 5.98  |                                                                           |
| 3.50                     | 4.58        | 8.50                     | 7.46  |                                                                           |
| 3.50                     | 3.45        | 8.50                     | 7.83  | Chlortetracycline hydrochloride: Guar., 200 grams/ton;<br>not determined. |
| 3.00                     | 3.58        | 9.00                     | 6.85  |                                                                           |
| 3.00                     | 3.40        | 9.00                     | 7.14  |                                                                           |
| 3.50                     | 4.09        | 9.00                     | 6.76  |                                                                           |
| 5.00                     | 5.38        | 6.50                     | 6.09  |                                                                           |
| 4.00                     | 4.39        | 5.00                     | 4.24  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0118%.                          |
| 3.50                     | 5.08        | 4.00                     | 3.62  |                                                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------------|----------|--------------------------|-------|
|             |                                                      |          | Guaranteed not less than | Found |
| 2587        | Big Y Hi Efficiency Laying Mash                      | 11.59    | 16.00                    | 16.00 |
| 1786        | Hi-G-Dairy Ration                                    | 12.81    | 16.00                    | 17.13 |
| 2275        | Hi-G Scratch Feed                                    | 12.51    | 9.00                     | 9.63  |
| 1994        | Big Y High Efficiency Grower                         | 11.57    | 15.00                    | 16.88 |
| 2722        | Big Y High Efficiency Grower<br>Medicated            | 11.26    | 15.00                    | 16.63 |
| 2256        | Big Y Hog & Pig Ration                               | 11.33    | 17.00                    | 17.38 |
| 1699        | Big Y Horse Feed                                     | 13.80    | 10.00                    | 12.13 |
| 2255        | Big Y Improved Al-Mo                                 | 12.02    | 10.00                    | 11.63 |
| 1784        | Big Y Improved Broiler Finisher                      | 13.00    | 19.00                    | 19.13 |
| 3022        | Big Y Improved Broiler Finisher<br>Medicated         | 10.71    | 19.00                    | 20.63 |
| 2991        | Big Y Improved Broiler &<br>Starter Ration Medicated | 10.24    | 21.00                    | 21.00 |
| 2493        | Big Y Intermediate Chick Grain                       | 12.78    | 10.00                    | 11.50 |
| 1986        | Big Y 20% Laying Mash                                | 10.93    | 20.00                    | 21.13 |
| 2306        | Big Y M & O Growing Feed                             | 11.21    | 18.00                    | 18.00 |
| 3023        | Big Y Peerless Broiler & Starter<br>Ration Medicated | 10.30    | 23.00                    | 23.13 |
| 2494        | Big Y Poultry Fitting Ration                         | 13.71    | 10.00                    | 12.00 |
| 2457        | Big Y Powerhouse Crumbles<br>Medicated               | 11.02    | 20.00                    | 22.13 |
| 2305        | Big Y Rabbit Pellets                                 | 11.56    | 16.00                    | 17.88 |
| 2721        | Big Y Rabbit Pellets SQ<br>Medicated                 | 10.55    | 16.00                    | 17.00 |
| 1700        | Big Y Scratch Feed                                   | 14.31    | 9.00                     | 11.13 |
| 2492        | Big Y Sheep & Goat Feed                              | 11.87    | 16.00                    | 17.63 |
| 1819        | Big Y Station Fattener Pellets                       | 11.25    | 12.00                    | 12.50 |
| 2498        | Big Y Stock Feed                                     | 10.27    | 9.00                     | 9.00  |

~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 3.50                     | 3.56  | 4.00                     | 2.42  | Nitrofurazone:Guar., 0.011%; found, 0.0129%.  |
| 3.00                     | 4.29  | 11.00                    | 8.16  |   |
| 2.00                     | 3.06  | 5.00                     | 4.60  |   |
| 3.50                     | 4.73  | 5.00                     | 4.00  |   |
| 3.50                     | 5.21  | 5.00                     | 4.27  | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0210%.  |
| 3.50                     | 4.78  | 8.00                     | 7.16  |   |
| 2.50                     | 3.94  | 9.00                     | 6.84  |   |
| 2.00                     | 2.86  | 12.00                    | 10.97 |   |
| 5.00                     | 5.03  | 4.00                     | 3.07  |   |
| 5.00                     | 5.00  | 4.00                     | 3.41  | Nicarbazin:Guar., 0.0125%; found, 0.0123%. Arsanilic acid:Guar., 0.0095%; found, 0.0078%.           |
| 5.00                     | 4.91  | 4.00                     | 3.13  | Nicarbazin:Guar., 0.0125%; found, 0.0124%. Arsanilic acid:Guar., 0.0095%; found, 0.0078%.           |
| 2.50                     | 3.16  | 5.00                     | 1.73  |   |
| 3.50                     | 3.54  | 6.00                     | 4.71  |   |
| 3.50                     | 3.56  | 6.00                     | 4.83  |   |
| 5.50                     | 7.08  | 4.00                     | 2.59  | Nicarbazin:Guar., 0.0125%; found, 0.0148%. Arsanilic acid:Guar., 0.0095%; found, 0.0090%.           |
| 3.00                     | 2.58  | 8.00                     | 4.86  |   |
| 3.50                     | 3.54  | 6.00                     | 5.57  | Furazolidone:Guar., 0.011%; found, 0.0132%. Terramycin hydrochloride:Guar., 0.011%; not determined. |
| 3.00                     | 3.04  | 10.00                    | 8.44  |   |
| 3.00                     | 3.76  | 10.00                    | 8.92  | Sulfaquinoxaline:Guar., 0.025%; found, 0.0260%.   |
| 2.00                     | 3.27  | 5.00                     | 4.84  |   |
| 3.00                     | 4.14  | 8.50                     | 7.76  |   |
| 3.00                     | 3.33  | 12.00                    | 10.48 |   |
| 2.50                     | 2.74  | 15.00                    | 12.07 |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                              | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---|----------|--------------------------|-------|
|             |   |          | Guaranteed not less than | Found |
| 1984        | Big Y Super Starter-Broiler Ration                  | 12.71    | 20.00                    | 22.63 |
| 2760        | Big Y Super Starter Ration Medicated                | 11.51    | 20.00                    | 22.13 |
| 1996        | Big Y Supreme Laying Mash                           | 11.04    | 16.00                    | 17.63 |
| 556         | Big Y Test Cow Ration                               | 13.19    | 16.00                    | 16.63 |
| 557         | Big Y Test Cow Ration                               | 12.54    | 16.00                    | 16.75 |
| 559         | Big Y Test Cow Ration                               | 11.98    | 16.00                    | 17.88 |
| 560         | Big Y Test Cow Ration                               | 12.49    | 16.00                    | 16.63 |
| 561         | Big Y Test Cow Ration                               | 12.92    | 16.00                    | 16.13 |
| 2395        | Big Y Turkey Fattener                               | 10.79    | 17.00                    | 18.38 |
| 2445        | Big Y Turkey Fattener Medicated                     | 10.44    | 17.00                    | 18.88 |
| 2600        | Big Y Turkey Growing Feed                           | 10.38    | 20.00                    | 20.00 |
| 3126        | Big Y Turkey Growing Feed Medicated                 | 10.55    | 20.00                    | 20.00 |
| 2719        | Big Y Turkey Growing Feed with Sulfaquinoxaline     | 11.41    | 20.00                    | 20.00 |
|             | YIELDMOR FEEDS, INC.<br>Piqua, Ohio                 |          |                          |       |
| 2993        | David Small's D.S. H.S.<br>Broiler Feed Medicated   | 9.99     | 24.00                    | 24.00 |
| 3019        | David Small's D.S. H.S.<br>Finishing Feed Medicated | 9.52     | 20.00                    | 21.50 |

~~~~~ indicates deficiencies.

## INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                   |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                             |
| 3.50                     | 4.14  | 4.00                     | 2.71  |                                                                                             |
| 3.50                     | 3.44  | 4.50                     | 3.40  | Sulfaquinoxaline:Guar., 0.0175%; found 0.0175%.                                             |
| 5.00                     | 5.38  | 4.00                     | 3.37  |                                                                                             |
| 3.00                     | 3.01  | 8.50                     | 6.56  |                                                                                             |
| 3.00                     | 2.70  | 8.50                     | 6.86  |                                                                                             |
| 3.00                     | 3.08  | 8.50                     | 6.84  |                                                                                             |
| 3.00                     | 2.78  | 8.50                     | 6.56  |                                                                                             |
| 3.00                     | 2.48  | 8.50                     | 6.10  |                                                                                             |
| 3.50                     | 4.31  | 6.00                     | 4.87  |                                                                                             |
| 3.50                     | 4.06  | 6.00                     | 5.88  | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0228%.                                   |
| 2.50                     | 3.61  | 6.00                     | 4.67  | 2-Acetylamino-5-nitrothiazole: Guar., 0.015%; found, 0.0125%.                               |
| 3.50                     | 4.89  | 6.00                     | 5.41  | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.020%.                                    |
| 3.50                     | 3.39  | 6.00                     | 4.48  | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0175%.                                            |
| 7.50                     | 8.71  | 4.00                     | 2.15  | Nicarbazin: Guar., 0.0125%; found, 0.0201%. Arsanilic acid: Guar., 0.0099%; found, 0.0133%. |
| 7.50                     | 7.56  | 3.50                     | 2.04  | Nicarbazin: Guar., 0.0125%; found, 0.0122%. Arsanilic acid: Guar., 0.0099%; found, 0.0110%. |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand                      | Place, date of sampling and control number |
|-------------|---------------------------------------------|--------------------------------------------|
|             | W. A. BUTLER CO.<br>Harrisonburg, Va.       |                                            |
| 2245        | Vitamin Premix                              | Jewett City, 11/9, 136                     |
|             | DAWE'S LABORATORIES, INC.<br>Chicago, Ill.  |                                            |
| 434         | Dawe's Fermentation Flavonne                | Middletown, 3/14, 2219                     |
| 9975        | Dawe's Fermentation Flavonne                | Middletown, 1/18, 1528                     |
| 2119        | Dawe's Fermentation Flavonne<br>No. 1       | Middletown, 10/21, 5456                    |
| 2120        | Special Broiler Mix No. 571-D<br>Medicated  | Middletown, 10/21, 5453                    |
| 9976        | Special Broiler Mix No. 571-D<br>Medicated  | Middletown, 1/18, 1916                     |
| 435         | Special Broiler Mix No. 571-D<br>Medicated  | Middletown, 3/14, 2557                     |
|             | RAY EWING CO.<br>Pasadena, Calif.           |                                            |
| 1574        | All Purpose Pre-Mix                         | Derby, 8/23, None                          |
| 2251        | All Purpose Pre, Mix                        | Derby, 11/10, None                         |
| 2248        | Custom High Energy Pre-Mix                  | North Franklin, 11/9, None                 |
| 430         | Custom Hi Energy Pre Mix No. 1              | North Franklin, 3/14, 1846                 |
| 903         | Custom Hi Energy Pre Mix No. 1<br>Medicated | North Franklin, 5/16, None                 |
| 2247        | Custom Hi Energy Pre Mix No. 1<br>Medicated | North Franklin, 11/9, None                 |
| 2246        | Roaster Pre-Mix Medicated                   | North Franklin, 11/9, None                 |
| 2249        | W. M. Plain Pre, Mix Medicated              | North Franklin, 11/9, None                 |
|             | THE FOX COMPANY<br>Newfield, N. J.          |                                            |
| 9972        | Foxco Qualadee A & D<br>Feeding Oil         | Derby, 1/15, 31959                         |
| 440         | Foxco Qualadee A & D<br>Feeding Oil         | Derby, 3/18, 72759                         |
| 1710        | Foxco Qualadee A & D<br>Feeding Oil         | Derby, 9/16, 42660                         |
| 2250        | Foxco Qualadee A & D<br>Feeding Oil         | Derby, 11/10, 61360                        |

\* not determined  
 ~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Riboflavin,<br>mg/lb. |       | Niacin,<br>mg/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       |
|-------------------------|-------|-----------------------|-------|-------------------|-------|-----------------------------------|-------|
| Guar.                   | Found | Guar.                 | Found | Guar.             | Found | Guar.                             | Found |
| 136, 200                | OK    | 700                   | --*   | 4200              | --*   | 1000                              | --*   |
| 18, 160                 | OK    | 45                    | 50.2  | 140               | 175   | 43                                | 30    |
| 18, 160                 | OK    | 45                    | 56.1  | 140               | 156   | 43                                | 30.5  |
| 25, 000                 | OK    | 45                    | --*   | 300               | --*   | 76                                | --*   |
| 14, 582                 | OK    | 42                    | --*   | 180               | --*   | 66                                | --*   |
| 14, 582                 | OK    | 42                    | 43.1  | 180               | 165   | 66                                | 62    |
| 14, 582                 | OK    | 42                    | 43.9  | 180               | 203   | 66                                | 98    |
| 136, 200                | OK    | 400                   | --*   | 4000              | --*   | 1000                              | --*   |
| 136, 200                | OK    | 400                   | --*   | 4000              | --*   | 1000                              | --*   |
| 272, 400                | OK    | 800                   | --*   | 4540              | --*   |                                   |       |
| 272, 400                | OK    | 800                   | 657   | 4540              | 3969  |                                   |       |
| 272, 400                | OK    | 800                   | 866   | 4540              | 4214  |                                   |       |
| 272, 400                | OK    | 800                   | --*   | 4540              | --*   |                                   |       |
| 97, 300                 | OK    | 457                   | --*   | 6514              | --*   | 571                               | --*   |
| 136, 000                | OK    | 600                   | --*   | 4000              | --*   | 400                               | --*   |
| 136, 200                | OK    |                       |       |                   |       |                                   |       |
| 136, 200                | OK    |                       |       |                   |       |                                   |       |
| 136, 200                | OK    |                       |       |                   |       |                                   |       |
| 136, 200                | OK    |                       |       |                   |       |                                   |       |

TABLE 2. VITAMIN CARRIERS

| Station No.       | Manufacturer and brand   | Place, date of sampling and control number |
|-------------------|--|--|
| 1585 <sup>1</sup> | Vitamin 2-4-9-C Supplement<br>PETER HAND FOUNDATION<br>Chicago, Ill.                     | Norwich, 9/8, 440-D                        |
| 904               | Custom W. M. Plain Premix<br>No. 2717<br><br>KRAFT FOODS<br>New York, N. Y.              | North Franklin, 5/16, 2466                 |
| 1582 <sup>2</sup> | Kray-9 Dog Food Supplement<br><br>MARINE PRODUCTS CO.<br>Boston, Mass.                   | Norwich, 9/8, None                         |
| 1579              | High Potency Vitamins A & D<br>Feeding Oil<br><br>MERCK & COMPANY, INC.<br>Rahway, N. J. | Norwich, 9/8, None                         |
| 9964              | No. 812 Feed Supplement<br>Improved Premix Medicated                                     | Norwich, 1/14, M-1243-9<br>No. 4           |
| 429               | No. 812 Feed Supplement<br>Improved Premix Medicated                                     | Norwich, 3/14, M-127-0 No. 1               |
| 896               | No. 941 Feed Supplement<br>Improved Premix Medicated                                     | Norwich, 5/10, M-471-0 No. 1               |
| 1584              | No. 941 Feed Supplement<br>Improved Premix Medicated<br><br>MYZON, INC.<br>Chicago, Ill. | Norwich, 9/8, M-707-0 No. 2                |
| 1580              | Myzon Poultry Builder<br><br>NOPCO CHEMICAL CO.<br>Harrison, N. J.                       | Norwich, 9/8, D-1-0                        |
| 9967              | Nopco-Pak DDA Hi-Lay<br>Premix   | Norwich, 1/14, V-9158                      |

<sup>1</sup> Folic acid, mg/lb:Guar., 60; found, 65.5<sup>2</sup> Vitamin A, U. S. P. units/lb., Guar., 20,000; not determined  
Thiamin, mg/lb:Guar., 10; found, 1.49

\* not determined

\*\* vitamin Guar. in U. S. P. units  
~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Riboflavin,<br>mg/lb. |            | Niacin,<br>mg/lb. |             | Calcium<br>pantothenate<br>mg/lb. |              |
|-------------------------|-------|-----------------------|------------|-------------------|-------------|-----------------------------------|--------------|
| Guar.                   | Found | Guar.                 | Found      | Guar.             | Found       | Guar.                             | Found        |
|                         |       | 2000                  | 2170       | 9000              | 8517        | 4348                              | 3936         |
| 136,000                 | OK    | 600                   | 602.7      | 4000              | 3591.7      | 400                               | 417          |
| 7000**                  | OK    | 12                    | 12.6       | 60                | 55.5        | 19.6                              | 16.5         |
| 136,080                 | OK    |                       |            |                   |             |                                   |              |
| 85,125                  | OK    | 500                   | 465        | 3750              | 4430        | 498                               | 467          |
| 85,125                  | OK    | 500                   | 561        | 3750              | 4239        | 498                               | 566          |
| 85,125                  | OK    | 633.4                 | <u>500</u> | 4851.4            | <u>3750</u> | 788.6                             | <u>497.7</u> |
| 85,125                  | OK    | 500                   | --*        | 3750              | --*         | 500                               | --*          |
| 164,000                 | OK    | 160                   | --*        | 640               | --*         | 174                               | --*          |
| 400,000                 | --*   | 800                   | 918        | 3000              | <u>7549</u> | 1600                              | 1438         |

TABLE 2. VITAMIN CARRIERS

| Station No.       | Manufacturer and brand                       | Place, date of sampling and control number        |
|-------------------|----------------------------------------------|---------------------------------------------------|
| 432               | Nopco-Pak EKK W. M.<br>Plain Premix          | North Franklin, 3/14, V9775                       |
| 905               | Nopco-Pak High Energy Premix                 | North Franklin, 5/16, Code EMC 527-12279 410 2/60 |
| 433               | Nopco-Pak High Energy Premix                 | North Franklin, 3/14, Code EMC 527-12279 410 2/60 |
| 895               | Nopco-Pak Hi-Lay Premix                      | Norwich, 5/10, Code DDA 527-11514 800 6/59        |
| 1586 <sup>3</sup> | Nopco-Pak Hi Lay Premix                      | Norwich, 9/8, Code DDA 527-11514 800 6/59         |
| 431               | Nopco-Pak Roaster Premix<br>Medicated        | North Franklin, 3/14, Code ELN 527-12271 210 2/60 |
| 9966              | Nopco-Pak Super Premix<br>Medicated          | Norwich, 1/14, Code EAZ 527-12033 510 4/59        |
| 897               | Nopco-Pak Super Premix<br>Medicated          | Norwich, 5/10, Code EAZ 527-12033 510 4/59        |
| 427               | Nopdex "3000"                                | Norwich, 3/14, V9482                              |
| 893               | Nopdex "3000"                                | Norwich, 5/10, V9895                              |
| 1581              | Nopdex "3000"                                | Norwich, 9/8, V1526                               |
|                   | CHAS. PFIZER & CO., INC.<br>Brooklyn, N. Y.  |                                                   |
| 9965              | High Lay Premix                              | Norwich, 1/14, AK3139                             |
| 428               | High Lay Premix                              | Norwich, 3/14, AK0430                             |
| 894               | Pfizer R-4 Riboflavin<br>Supplement          | Norwich, 5/10, None                               |
| 1583              | Pfizer R-4 Riboflavin<br>Supplement          | Norwich, 9/8, None                                |
|                   | WOLF SAVITSKY & SONS, INC.<br>Shelton, Conn. |                                                   |
| 1709              | Wolf's Calf Milk Replacer                    | Shelton, 9/16, None                               |
|                   | STABILIZED VITAMINS, INC.<br>Garfield, N. J. |                                                   |
| 9974              | Perma-D-1500                                 | Shelton, 1/15, 12724                              |

<sup>3</sup> Vitamin A, U.S.P. units/lb., Guar., 800,000; not determined

\* not determined

\*\* vitamin Guar. in U.S.P. units  
~~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Riboflavin,<br>mg/lb. |       | Niacin,<br>mg/lb. |        | Calcium<br>pantothenate<br>mg/lb. |        |
|-------------------------|-------|-----------------------|-------|-------------------|--------|-----------------------------------|--------|
| Guar.                   | Found | Guar.                 | Found | Guar.             | Found  | Guar.                             | Found  |
| 136,000                 | --*   | 600                   | 629   | 4000              | 3455   | 400                               | 354    |
| 272,400                 | --*   | 800                   | 730.5 | 4540              | 3655   |                                   |        |
| 272,400                 | OK    | 800                   | 855   | 4540              | 4743   |                                   |        |
| 400,000                 | OK    | 800                   | 820   | 8000              | 6865   | 1600                              | 1516   |
| 400,000                 | OK    | 800                   | --*   | 8000              | --*    | 1600                              | --*    |
| 97,300                  | OK    | 457                   | 501   | 6514              | 5469   | 571                               | 555    |
| 170,300                 | OK    | 1000                  | 933   | 7500              | 7229   | 1000                              | 904    |
| 170,300                 | OK    | 1000                  | 1091  | 7500              | 7172   | 1000                              | 965    |
| 1,361,000               | OK    |                       |       |                   |        |                                   |        |
| 1,361,000               | OK    |                       |       |                   |        |                                   |        |
| 1,361,000               | OK    |                       |       |                   |        |                                   |        |
| 400,000                 | OK    | 800                   | 696.8 | 8000              | 6839.6 | 1592.7                            | 1361   |
| 400,000                 | OK    | 800                   | 722.4 | 8000              | 6276.4 | 1592.7                            | 1581.8 |
|                         |       | 4000                  | 3909  |                   |        |                                   |        |
|                         |       | 4000                  | 4210  |                   |        |                                   |        |
| 3000**                  | --*   | 11                    | 13.2  |                   |        |                                   |        |
| 681,000                 | OK    |                       |       |                   |        |                                   |        |

TABLE 2. VITAMIN CARRIERS

| Station No.       | Manufacturer and brand                             | Place, date of sampling and control number |
|-------------------|--|--|
| 907               | Perma-D-1500                                       | Jewett City, 5/16, 12724                   |
| 2252              | Perma-D-3000                                       | Shelton, 11/10, 13719 & 13559              |
| 9968              | Perma-Mix C. C. C. No. 1                           | Manchester, 1/15, 2605-1                   |
| 436               | Perma-Mix C. C. C. No. 1                           | Manchester, 3/16, 2669-2                   |
| 898               | Perma-Mix C. C. C. No. 1                           | Manchester, 5/11, 2776/1                   |
| 1575              | Perma-Mix C. C. C. No. 1                           | Manchester, 9/7, 3004/2                    |
| 9969              | Perma-Mix C. C. C. No. 2                           | Manchester, 1/15, 2566                     |
| 437               | Perma-Mix C. C. C. No. 2                           | Manchester, 3/16, 2657                     |
| 899               | Perma-Mix C. C. C. No. 2                           | Manchester, 5/11, 2771                     |
| 1576              | Perma-Mix C. C. C. No. 2                           | Manchester, 9/7, 3005                      |
| 9970              | Perma-Mix C. C. C. No. 3                           | Manchester, 1/5, 2567                      |
| 438               | Perma-Mix C. C. C. No. 3                           | Manchester, 3/16, 2688                     |
| 900               | Perma-Mix C. C. C. No. 3                           | Manchester, 5/11, 2769                     |
| 1577              | Perma-Mix C. C. C. No. 3                           | Manchester, 9/7, 2986                      |
| 9971              | Perma-Mix C. C. C. No. 4                           | Manchester, 1/15, 2319                     |
| 439               | Perma-Mix C. C. C. No. 4                           | Manchester, 3/16, 2658                     |
| 901               | Perma-Mix C. C. C. No. 4                           | Manchester, 5/11, 2658                     |
| 902               | Perma-Mix C. C. C. No. 4                           | Manchester, 5/11, 2376                     |
| 1578 <sup>4</sup> | Perma-Mix C. C. C. No. 4                           | Manchester, 9/7, 2977                      |
|                   | VITARON CHEMICAL MFG.<br>CO., INC., Garfield, N.J. |  |
| 9973              | Vitaron Vitamin A & D Feeding<br>Oil               | Shelton, 1/15, 12507                       |
| 1706              | Vitaron Vitamin A & D Feeding<br>Oil               | Shelton, 9/16, 13555                       |
| 2253              | Vitaron Vitamin A & D Feeding<br>Oil               | Shelton, 11/10, 13682                      |
|                   | WHITMOYER LABORATORIES,<br>INC., Myerstown, Pa.    |  |
| 441               | Flav-A-Dee   | Bridgeport, 3/18, None                     |
| 2244              | Machnicki Vitamin Premix                           | Jewett City, 11/9, 10/6/60                 |

<sup>4</sup> Vitamin A, U.S.P. units/lb., Guar., 304, 500; not determined

\* not determined

~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Riboflavin,<br>mg/lb. |       | Niacin,<br>mg/lb. |        | Calcium<br>pantothenate<br>mg/lb. |        |
|-------------------------|-------|-----------------------|-------|-------------------|--------|-----------------------------------|--------|
| Guar.                   | Found | Guar.                 | Found | Guar.             | Found  | Guar.                             | Found  |
| 681,000                 | OK    |                       |       |                   |        |                                   |        |
| 1,362,000               | OK    |                       |       |                   |        |                                   |        |
| 170,300                 | OK    | 400                   | 390   | 5300              | 5530   | 649                               | 5111.7 |
| 170,300                 | --*   | 400                   | 404   | 5300              | 4860   | 649                               | 570    |
| 170,300                 | OK    | 400                   | 463   | 5300              | 4720   | 649                               | 734.6  |
| 25,540                  | OK    | 600                   | --*   | 7930              | --*    | 978                               | --*    |
| 102,100                 | OK    | 250                   | 254   | 5000              | 4860   | 1000                              | 961    |
| 102,100                 | --*   | 250                   | 320   | 5000              | 4660   | 1000                              | 1060   |
| 102,100                 | OK    | 250                   | 262   | 5000              | 4670   | 1000                              | 1020   |
| 153,150                 | OK    | 375                   | --*   | 7500              | --*    | 1500                              | --*    |
| 103,100                 | OK    | 650                   | 652   | 4500              | 4080   | 800                               | 770    |
| 103,100                 | OK    | 650                   | 720   | 4500              | 3990   | 800                               | 745    |
| 103,100                 | OK    | 650                   | 594   | 4500              | 4410   | 800                               | 891    |
| 154,650                 | OK    | 975                   | --*   | 6750              | --*    | 1200                              | --*    |
| 136,200                 | OK    | 500                   | 470   | 4120              | 4077   | 944                               | 561    |
| 681,000                 | OK    | 500                   | 477.2 | 4120              | 4127.3 | 944                               | 990    |
| 681,000                 | --*   | 500                   | 503   | 4120              | 3994.4 | 944                               | 977.3  |
| 681,000                 | OK    | 500                   | 468   | 4120              | 4158.2 | 944                               | 926.3  |
| 204,300                 | OK    | 7450                  | --*   | 6018              | --*    | 1416                              | --*    |
| 136,078                 | OK    |                       |       |                   |        |                                   |        |
| 136,200                 | OK    |                       |       |                   |        |                                   |        |
| 136,200                 | OK    |                       |       |                   |        |                                   |        |
| 54,480                  | OK    | 100                   | 103   | 700               | 696    | 108.2                             | 150.3  |
| 204,000                 | OK    | 400                   | --*   | 4300              | --*    | 1000                              | --*    |





